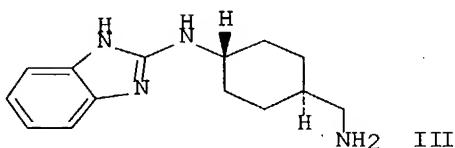
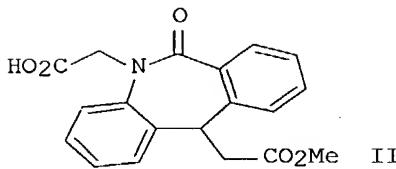
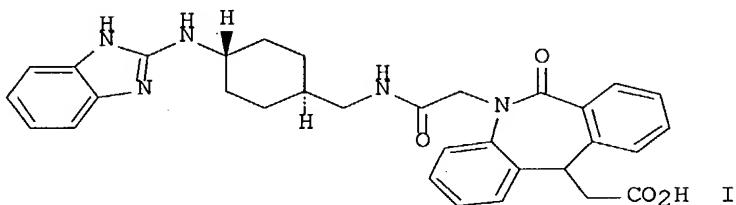


Compounds made by App

L11 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:97692 CAPLUS Full-text
 DN 137:103383
 TI Synthesis and SAR of N-substituted dibenzazepinone derivatives as novel potent and selective $\alpha V\beta 3$ antagonists
 AU Kling, Andreas; Backfisch, Gisela; Delzer, Jurgen; Geneste, Herve; Graef, Claudia; Holzenkamp, Uta; Hornberger, Wilfried; Lange, Udo E. W.; Lauterbach, Arnulf; Mack, Helmut; Seitz, Werner; Subkowski, Thomas
 CS Knoll GmbH, Ludwigshafen, D-67008, Germany
 SO Bioorganic & Medicinal Chemistry Letters (2002), 12(3), 441-446
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 137:103383
 GI



AB Substituted oxodibenzepineacetic acids substituted with guanidines or guanidine pharmacophores such as I are prepared as potential $\alpha V\beta 3$ (vitronectin receptor) antagonists. The oxodibenzepineacetic acid core II is prepared in 5 steps from 9,10-anthraquinone; coupling of II with guanidine or guanidine pharmacophore-substituted amines such as III followed by hydrolysis of the Me ester yields compds. such as I. Structure-activity relationships are determined for the guanidine or guanidine pharmacophore-substituted oxodibenzepineacetic acids, varying the linker between the guanidine pharmacophore and the oxodibenzepine and the choice of guanidine pharmacophore. Compound I and a second guanidine pharmacophore-substituted oxodibenzepineacetic acid are found to be highly active inhibitors of the vitronectin receptor in vitro and are found to be bioavailable in ADME assays.

IT 326401-69-8P 326401-92-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of a guanidine or guanidine pharmacophore-substituted oxodibenzepineacetic acid and lack of activity as a potential $\alpha V\beta 3$ receptor antagonist)

RN 326401-69-8 CAPLUS

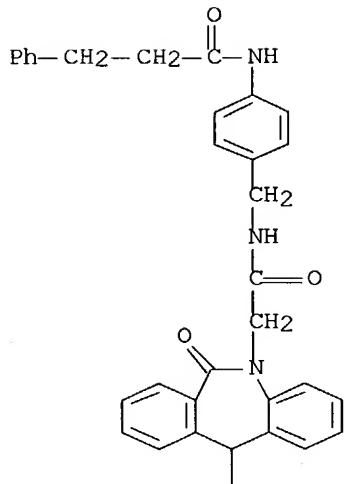
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

[[[4-[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]- (9CI) (CA)

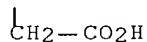
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NAME)

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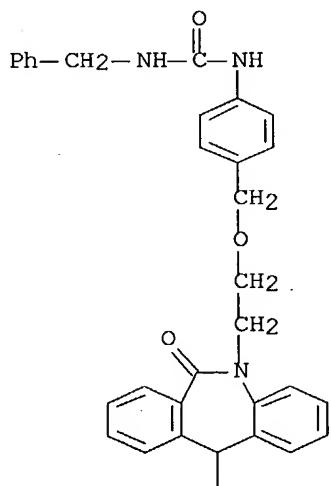
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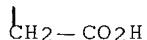
RN 326401-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methoxyethyl- (9CI) (CA INDEX NAME)

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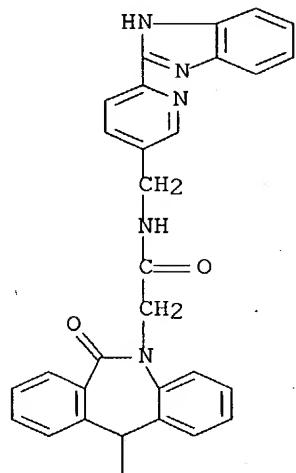
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326399-78-4P 326399-83-1P 326400-55-9P
326400-65-1P 326400-70-8P 326401-04-1P
326401-08-5P 326401-18-7P 326401-26-7P
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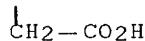
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation)
(preparation of guanidine or guanidine pharmacophore-substituted
oxodibenzazepineacetic acids as potential $\alpha V\beta 3$ receptor
antagonists)

RN 326398-90-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
3- pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
NAME)

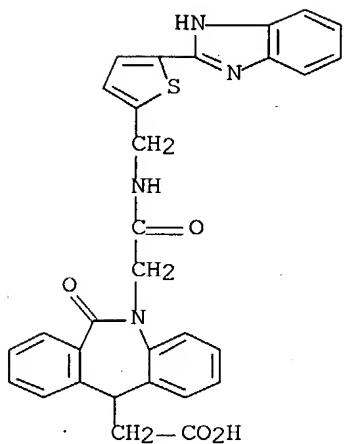
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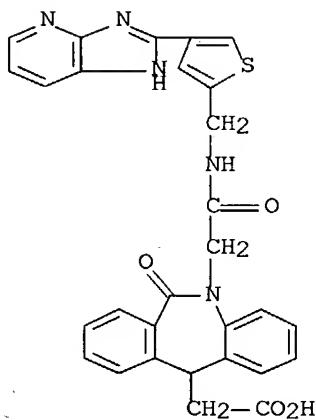


RN 326399-52-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-
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NAME)



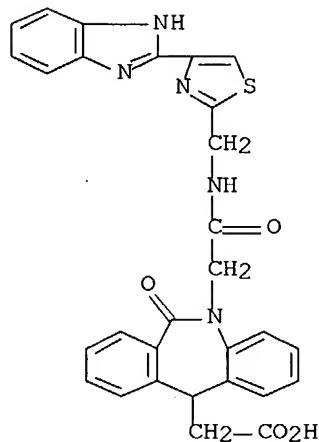
RN 326399-69-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-(9CI) (CA INDEX NAME)



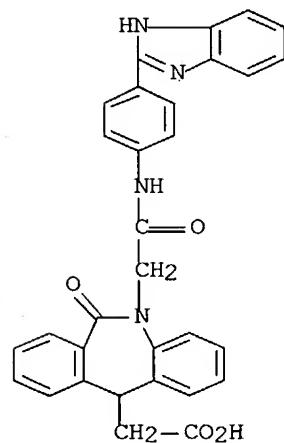
RN 326399-78-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)



RN 326399-83-1 CAPLUS

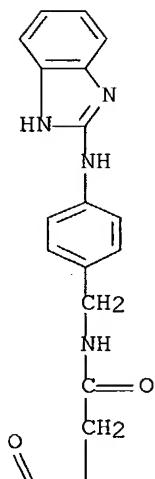
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



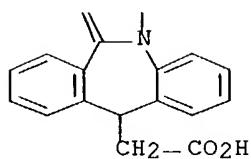
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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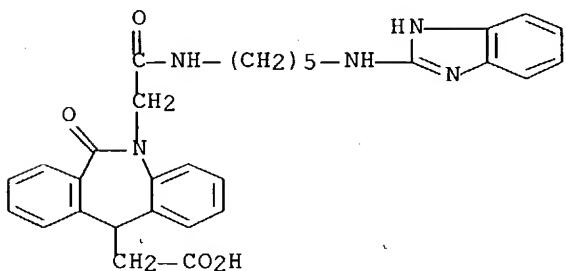


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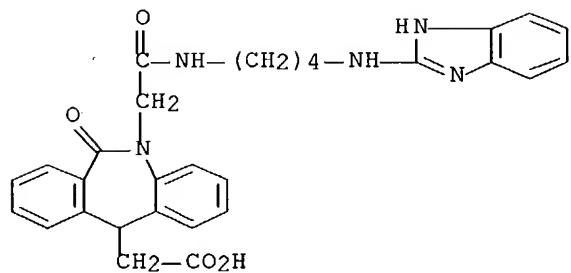
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-70-8 CAPLUS

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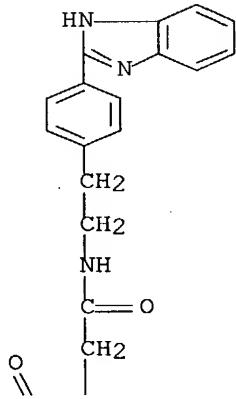
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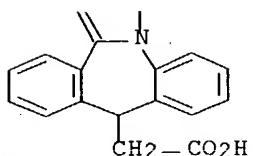
RN 326401-04-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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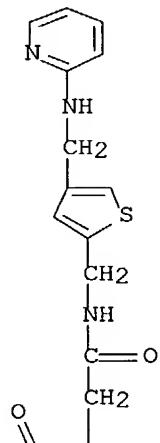


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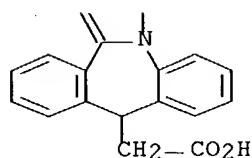


RN 326401-08-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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INDEX
NAME)

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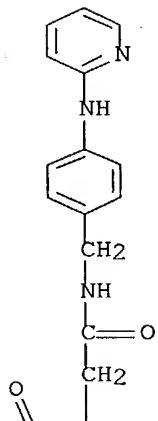


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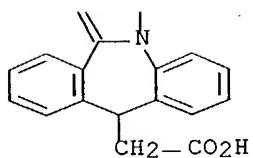


RN 326401-18-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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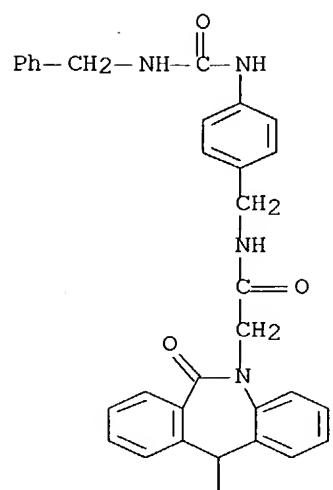
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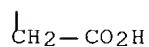
RN 326401-26-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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(CA INDEX NAME)

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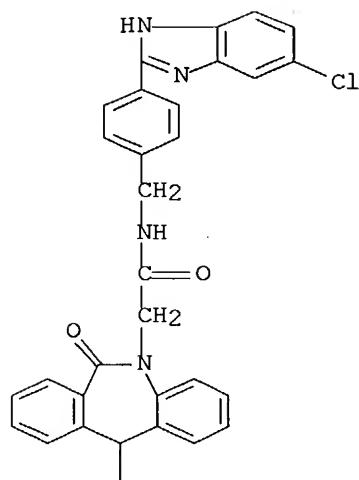
RN 326401-36-9 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-2-yl)phenyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA

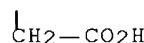
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NAME)

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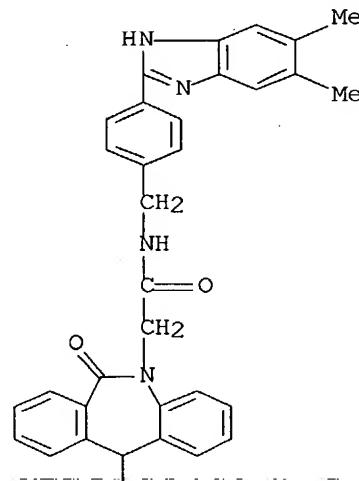
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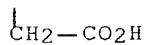
RN 326401-41-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-
(9CI) (CA INDEX NAME)

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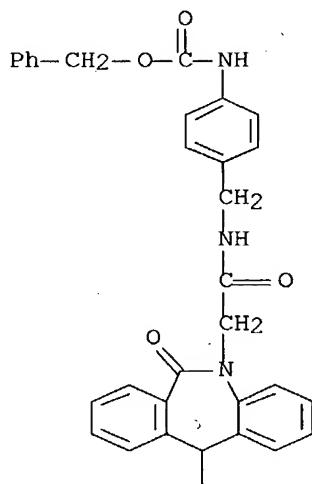
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

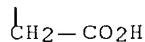
[[[4-

[[(phenylmethoxy)carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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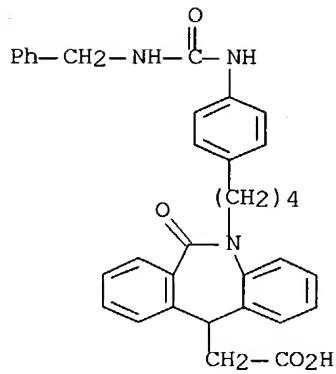
PAGE 2-A



RN 326401-97-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-

[[(phenylmethyl)amino]carbonyl]amino]phenyl]butyl]- (9CI) (CA INDEX NAME)

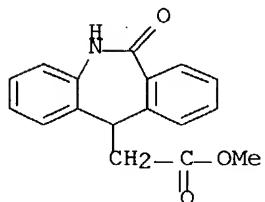


IT 90664-75-8

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of guanidine or guanidine pharmacophore-substituted
 oxodibenzazepineacetic acids as potential $\alpha V\beta 3$ receptor
 antagonists)

RN 90664-75-8 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)



IT 90664-74-7P 326400-60-6P 326401-22-3P

326404-40-4P 326404-44-8P 326404-49-3P

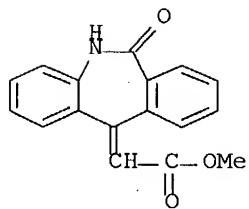
326408-08-6P 326408-33-7P 326410-52-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent)

(preparation of guanidine or guanidine pharmacophore-substituted
 oxodibenzazepineacetic acids as potential $\alpha V\beta 3$ receptor
 antagonists)

RN 90664-74-7 CAPLUS

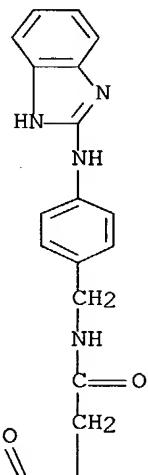
CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenzo[b,e]azepin-11-ylidene)-,
 methyl ester (9CI) (CA INDEX NAME)



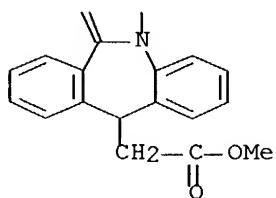
RN 326400-60-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

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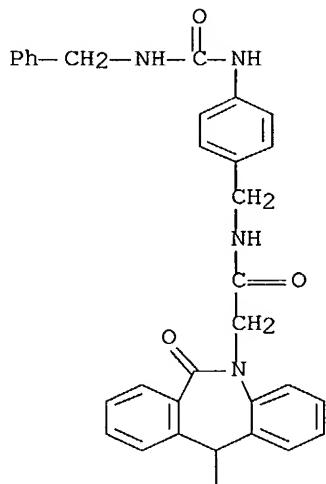


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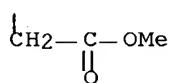
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

[[[4-
[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
methyl
ester (9CI) (CA INDEX NAME)

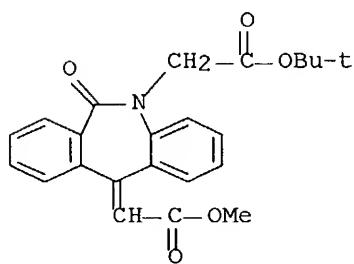
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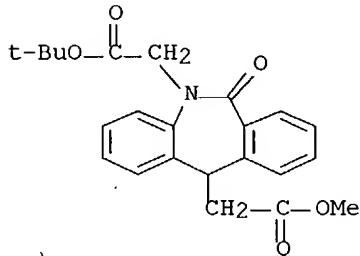


RN 326404-40-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(2-methoxy-2-oxoethylidene)-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



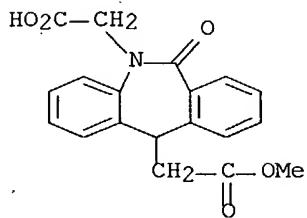
RN 326404-44-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
α5-(1,1-dimethylethyl) α11-methyl ester (9CI) (CA INDEX NAME)



RN 326404-49-3 CAPLUS

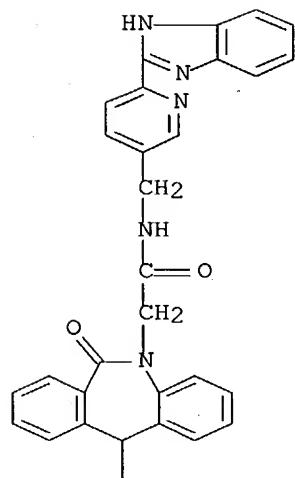
CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
α11-methyl ester (9CI) (CA INDEX NAME)



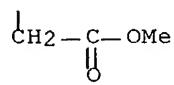
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
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(9CI) (CA INDEX NAME)

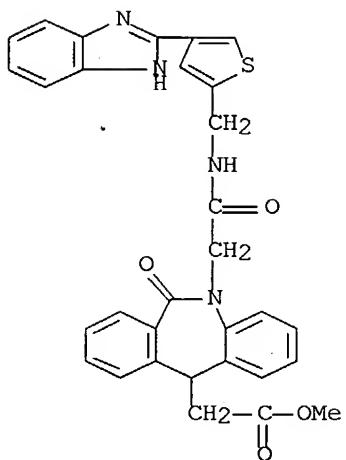
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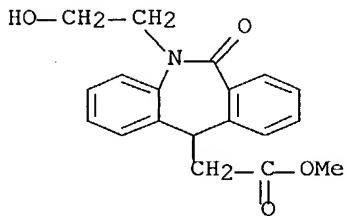


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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
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(9CI)
(CA INDEX NAME)



RN 326410-52-0 CAPLUS

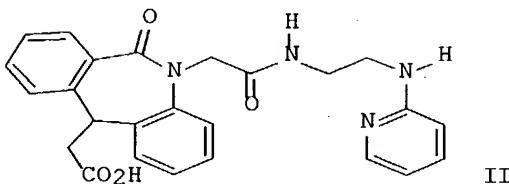
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-(2-hydroxyethyl)-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:115130 CAPLUS Full-text
 DN 134:178474
 TI Preparation of oxobenzazepinealkanoates and analogs as integrin receptor antagonists
 IN Kling, Andreas; Geneste, Herve; Lange, Udo; Lauterbach, Arnulf; Graef, Claudia Isabella; Subkowski, Thomas; Holzenkamp, Uta; Mack, Helmut; Sadowski, Jens; Hornberger, Wilfried; Laux, Volker
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 158 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
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	TR 200200357	T2	20020923	TR 2002-200200357	20000801
	JP 2003506441	T2	20030218	JP 2001-515313	20000801
	BG 106395	A	20021229	BG 2002-106395	20020206
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PRAI	DE 1999-19936780	A	19990809		
	WO 2000-EP7440	W	20000801		
OS	MARPAT 134:178474				
GI					



AB RZZ1R1 [I; R = group contg, ≥1 non-H H-bonding atom; R1 = CO₂H, or group hydrolizable to CO₂H; Z = e.g., (hetero)annulated 2-oxo-1-benzazepin-1,5-diyl; Z1 = bond, (un)substituted NHCH₂, -OCH₂, -alkylene, -CH:CH, etc.] were prepared. Thus, Me 11-methoxycarbonylmethyl-6-oxo-6,11-dihydro-5H-dibenz[b,e]azepine-5-acetate (preparation given) was amidated by N-(2-aminoethyl)pyridine-2-amine to give, after saponification, title compound II. Data for biol. activity of I were given.

IT 326398-79-2P 326398-84-9P 326398-90-7P
326399-01-3P 326399-07-9P 326399-11-5P
326399-17-1P 326399-23-9P 326399-27-3P
326399-31-9P 326399-36-4P 326399-42-2P
326399-47-7P 326399-52-4P 326399-64-8P
326399-69-3P 326399-73-9P 326399-78-4P
326399-83-1P 326400-13-9P 326400-18-4P
326400-23-1P 326400-28-6P 326400-32-2P
326400-41-3P 326400-45-7P 326400-50-4P
326400-55-9P 326400-60-6P 326400-65-1P
326400-70-8P 326400-74-2P 326400-79-7P
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326403-28-5P 326403-32-1P 326403-37-6P
326403-42-3P 326403-47-8P 326403-51-4P
326403-56-9P 326403-61-6P 326403-66-1P
326403-71-8P 326403-76-3P 326404-18-6P
326404-23-3P 326404-27-7P 326404-31-3P
326404-36-8P 326471-39-0P

RL: BAC (Biological activity or effector, except adverse); BSU

(Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

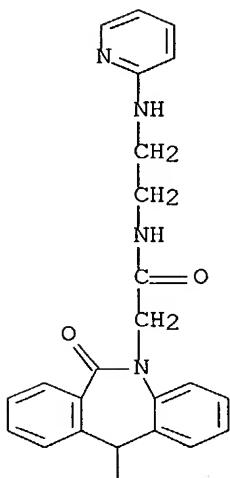
BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of oxobenzazepinealkanoates and analogs as integrin receptor

antagonists)

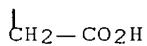
RN 326398-79-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylamino)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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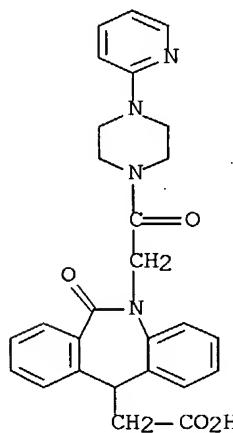


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RN 326398-84-9 CAPLUS

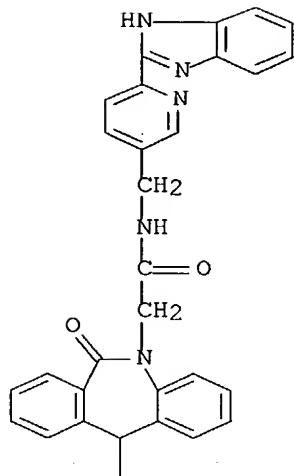
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



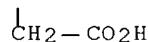
RN 326398-90-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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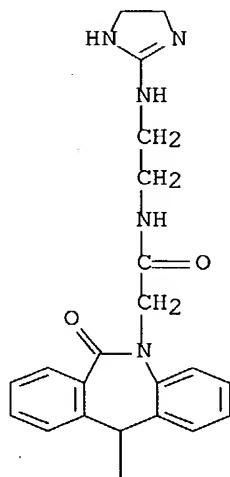
PAGE 2-A



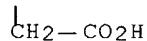
RN 326399-01-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[(4,5-dihydro-1H-imidazol-2-yl)amino]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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RN 326399-07-9 CAPLUS

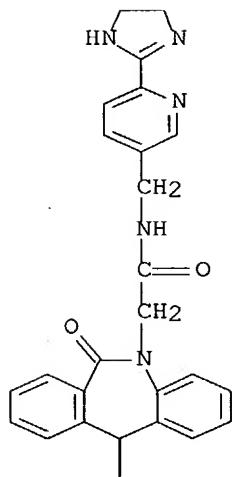
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(4,5-dihydro-1H-imidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate

(9CI) (CA INDEX NAME)

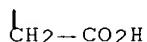
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CMF C27 H25 N5 O4

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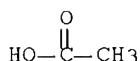


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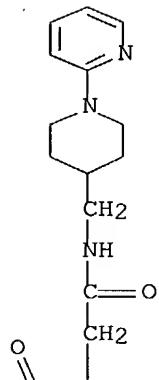
CM 2

CRN 64-19-7
CMF C2 H4 O2

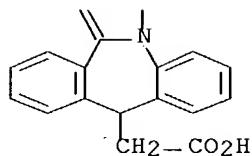


RN 326399-11-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
-[[1-
(2-pyridinyl)-4-piperidinyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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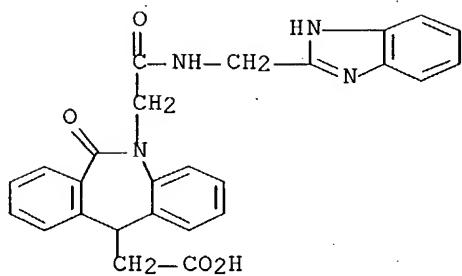
RN 326399-17-1 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

CM 1

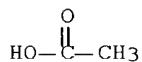
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CMF C26 H22 N4 O4



CM 2

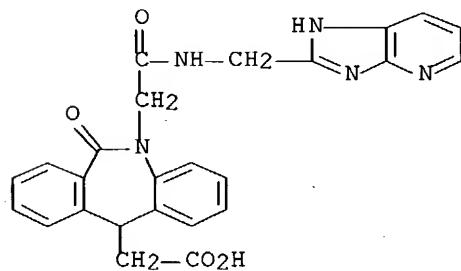
CRN 64-19-7
CMF C2 H4 O2



RN 326399-23-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1H-imidazo[4,5-b]pyridin-2-ylmethyl)amino]-2-oxoethyl]-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

CM 1

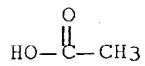
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CMF C25 H21 N5 O4



CM 2

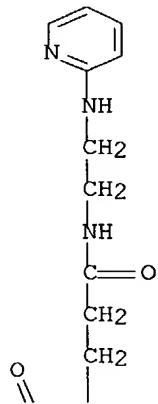
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CMF C2 H4 O2

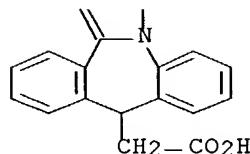


RN 326399-27-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[2-(2-pyridinylamino)ethyl]amino]propyl]- (9CI) (CA INDEX NAME)

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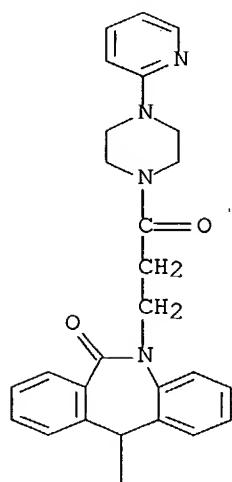


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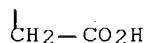


RN 326399-31-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[4-(2-pyridinyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)

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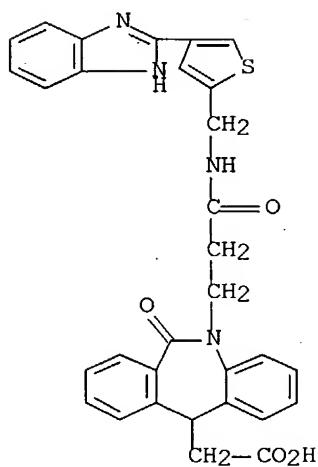


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RN 326399-36-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-3-oxopropyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
2- NAME)



RN 326399-42-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[(2-pyridinylamino)methyl]-1-piperidinyl]ethyl]-, monoacetate (9CI) (CA

INDEX

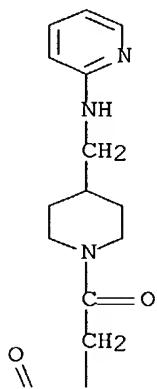
NAME)

CM 1

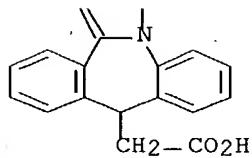
CRN 326399-41-1

CMF C29 H30 N4 O4

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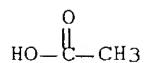
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CM 2

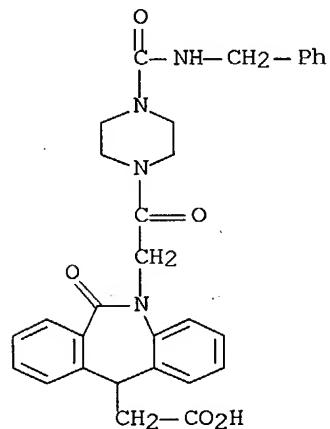
CRN 64-19-7

CMF C2 H4 O2



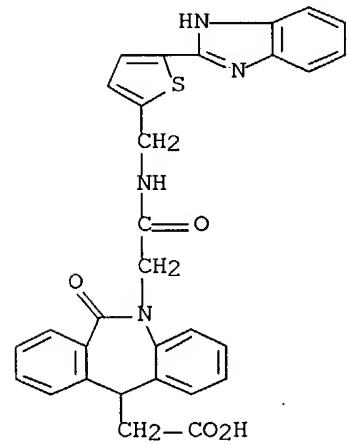
RN 326399-47-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(4-[(phenylmethyl)amino]carbonyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326399-52-4 CAPLUS

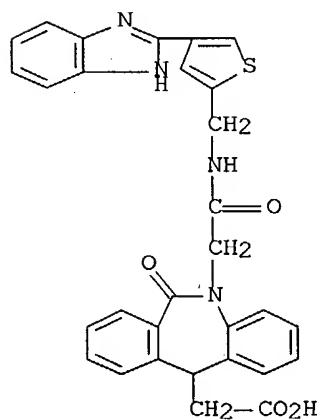
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-64-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

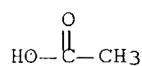
CM 1

CRN 326399-63-7
CMF C30 H24 N4 O4 S

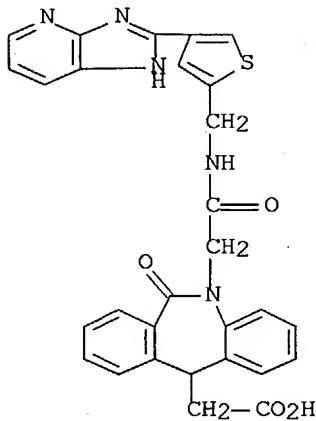


CM 2

CRN 64-19-7
CMF C2 H4 O2



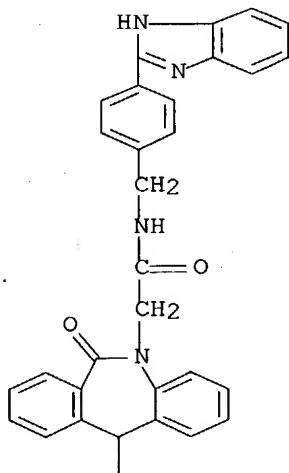
RN 326399-69-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-
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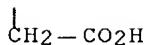


RN 326399-73-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monohydrochloride
(9CI) (CA INDEX NAME)

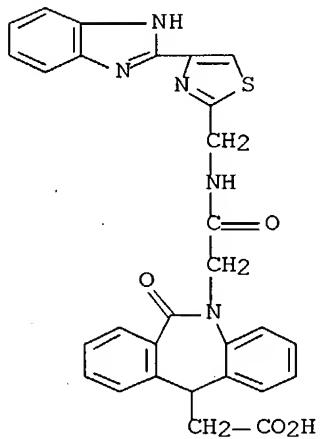
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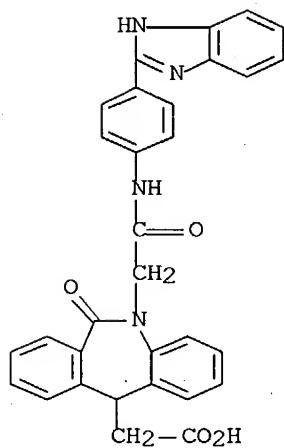


● HCl

RN 326399-78-4 CAPLUS
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NAME)



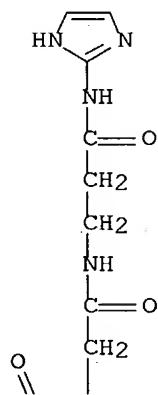
RN 326399-83-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-
yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

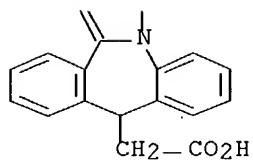


RN 326400-13-9 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(3-(1H-imidazol-2-ylamino)-3-oxopropyl)amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

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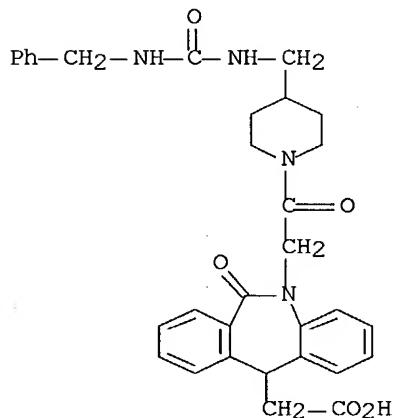




RN 326400-18-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl)amino]methyl]-1-piperidinyl]ethyl]- (9CI)

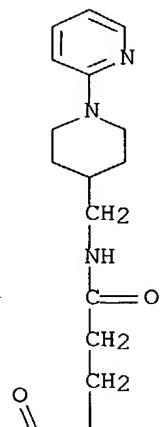
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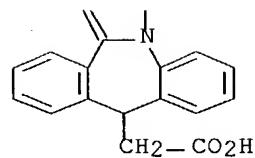
RN 326400-23-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[1-(2-pyridinyl)-4-piperidinyl]methyl]amino]propyl]- (9CI) (CA INDEX NAME)

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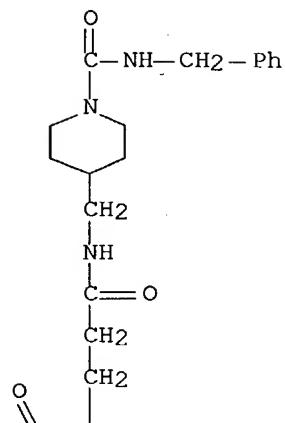
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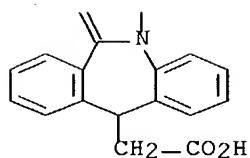
[[[1-
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(9CI)

(CA INDEX NAME)

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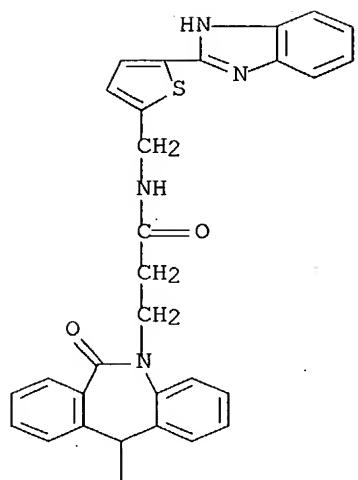


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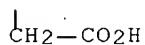


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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[5-(1H-benzimidazol-2-yl)-
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thienyl]methyl]amino]-3-oxopropyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
NAME)

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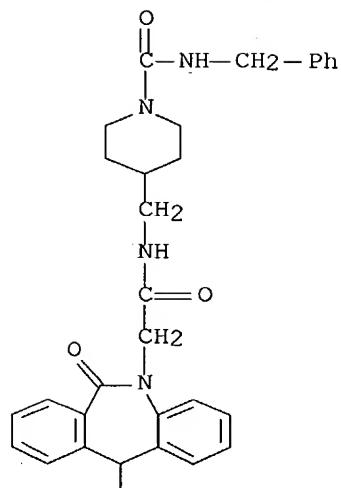
RN 326400-41-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

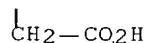
[[1-

[(phenylmethyl)amino]carbonyl]-4-piperidinyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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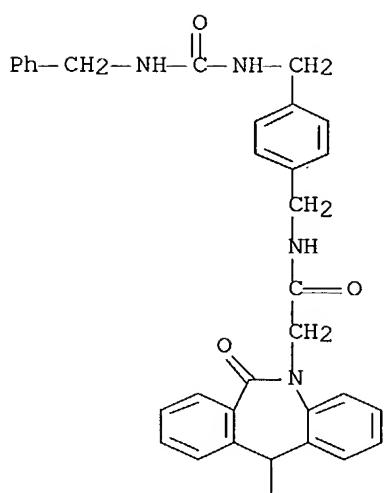


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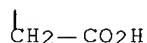
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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[[[(phenylmethyl)amino]carbonyl]amino]methyl]phenyl]methyl]amino]ethyl]-
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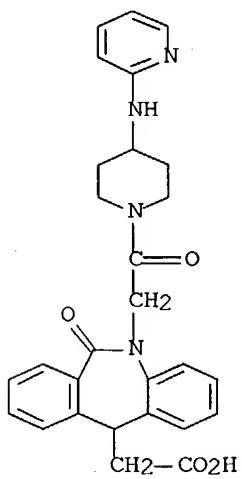
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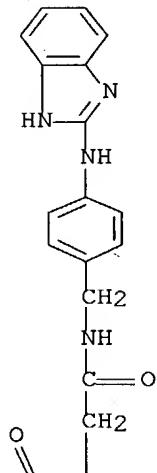
RN 326400-50-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinylamino)-1-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)



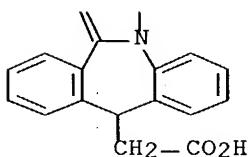
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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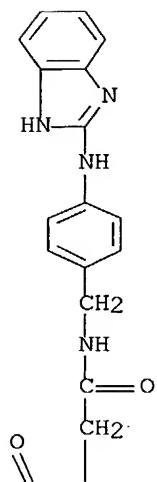
PAGE 2-A



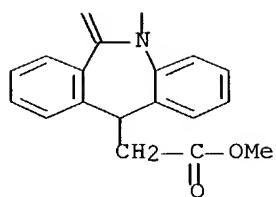
RN 326400-60-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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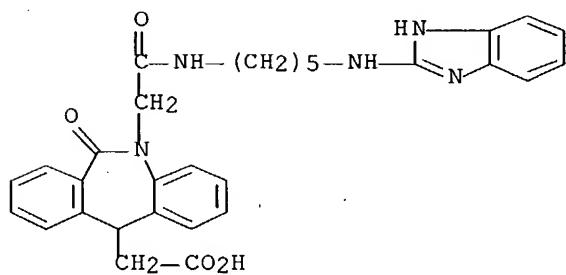


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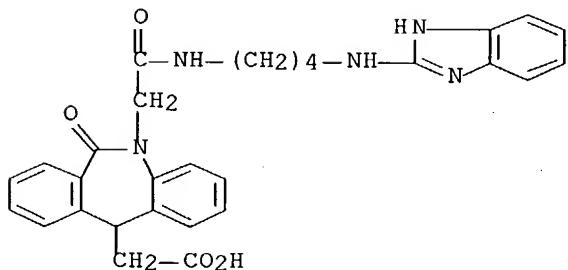
RN 326400-65-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(5-(1H-benzimidazol-2-ylamino)pentyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



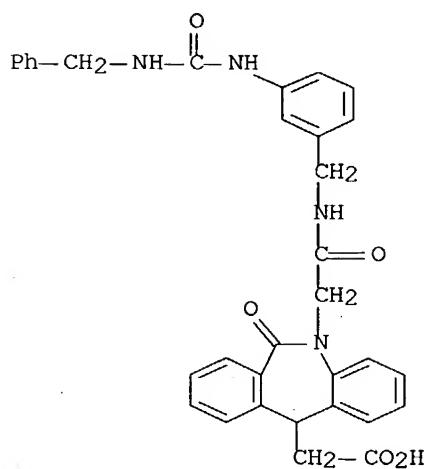
RN 326400-70-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-74-2 CAPLUS

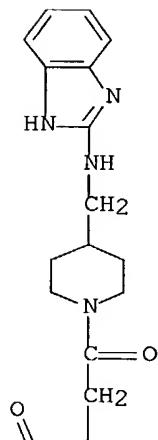
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)



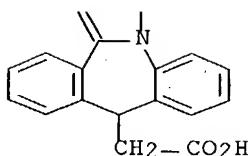
RN 326400-79-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1H-benzimidazol-2-ylamino)methyl]-1-piperidinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI)
(CA INDEX NAME)

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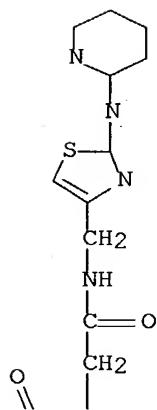
PAGE 2-A



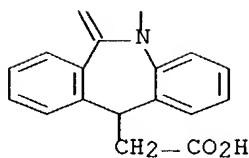
RN 326400-84-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-
(2-pyridinylamino)-4-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)

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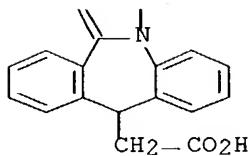
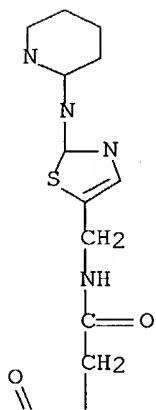
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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 326400-88-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-
 (2-pyridinylamino)-5-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 326400-94-6 CAPLUS

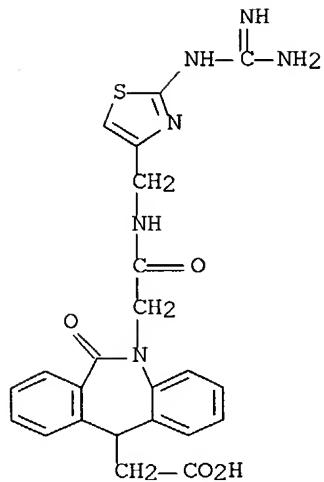
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
[(aminoiminomethyl)amino]-

4-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 326400-93-5

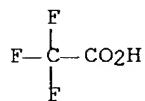
CMF C23 H22 N6 O4 S



CM 2

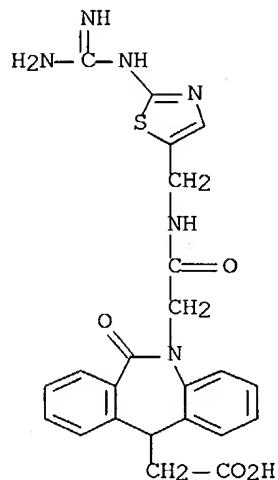
CRN 76-05-1

CMF C2 H F3 O2



RN 326400-99-1 CAPLUS

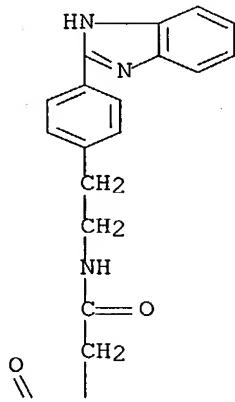
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
[(aminoiminomethyl)amino]-
5-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA
INDEX
NAME)



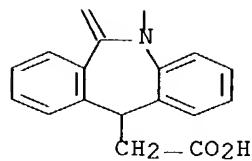
RN 326401-04-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(2-[(4-(1H-benzimidazol-2-yl)phenyl]ethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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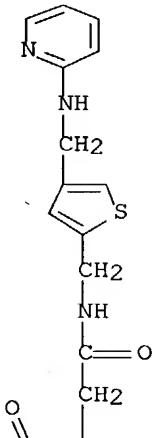


RN 326401-08-5 CAPLUS

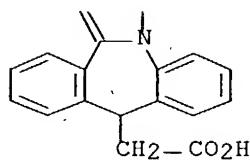
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-

[(2-pyridinylamino)methyl]-2-thienyl]methyl]amino]ethyl]- (9CI) (CA
INDEX
NAME)

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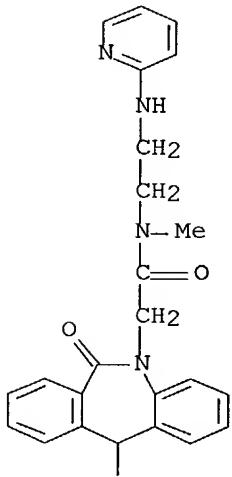
PAGE 2-A



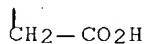
RN 326401-13-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[methyl[2-(2-pyridinylamino)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

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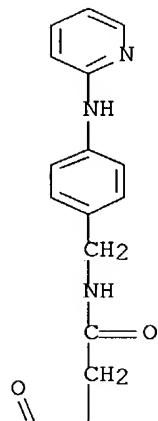
PAGE 2-A



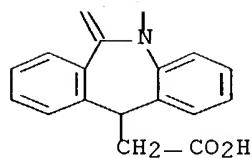
RN 326401-18-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
(2-pyridinylamino)phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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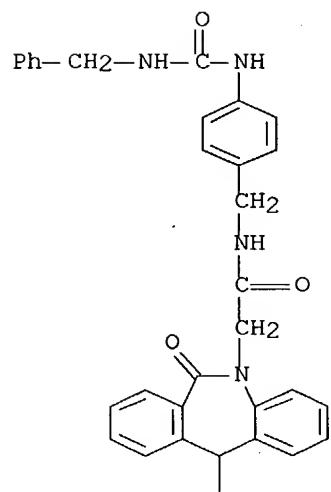
RN 326401-22-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-

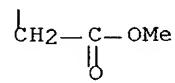
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
methyl

ester (9CI) (CA INDEX NAME)

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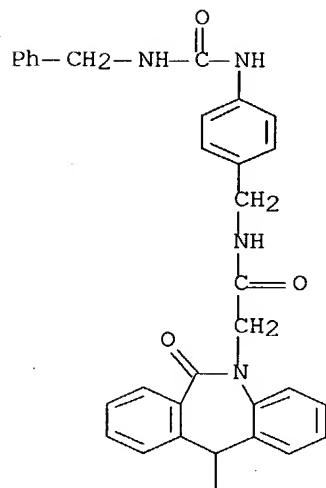
PAGE 2-A



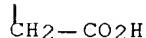
RN 326401-26-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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RN 326401-32-5 CAPLUS

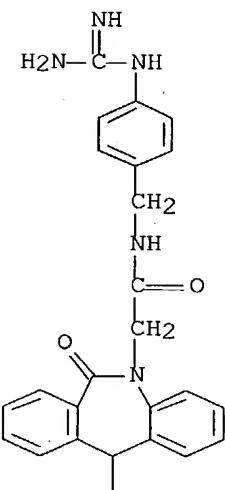
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[4-
[(aminoiminomethyl)amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
6-
oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

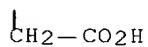
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CMF C26 H25 N5 O4

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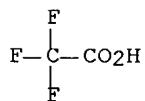


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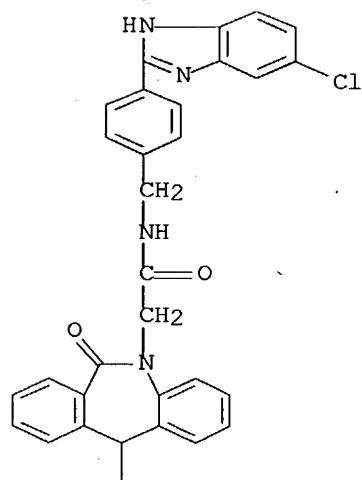
CM 2

CRN 76-05-1
CMF C2 H F3 O2

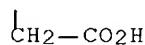


RN 326401-36-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
NAME)

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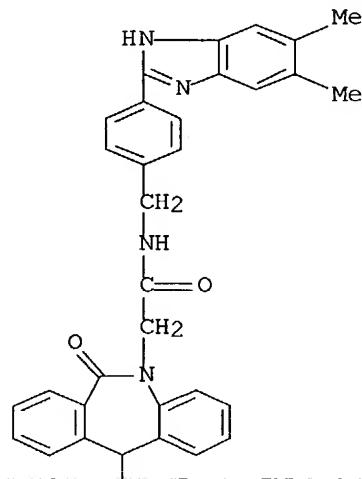
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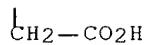
RN 326401-41-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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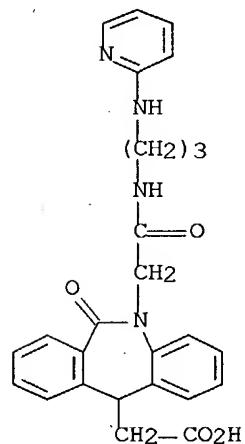


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RN 326401-46-1 CAPLUS

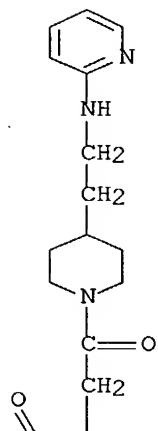
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[3-(2-pyridinylamino)propyl]amino]ethyl]- (9CI) (CA INDEX NAME)



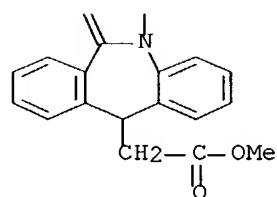
RN 326401-50-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[4-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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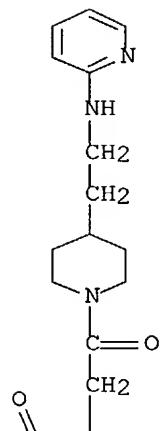
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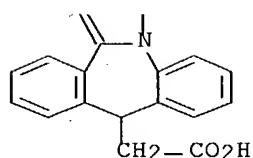
RN 326401-54-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)

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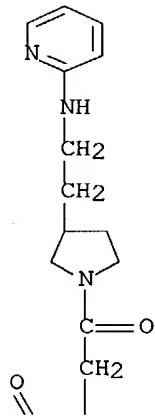
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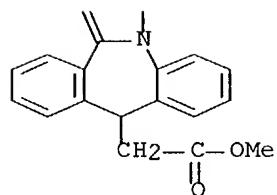
RN 326401-59-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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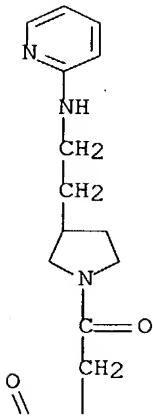
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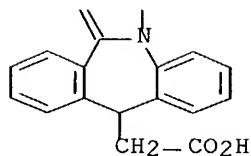
RN 326401-64-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-[2-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]- (9CI) (CA INDEX NAME)

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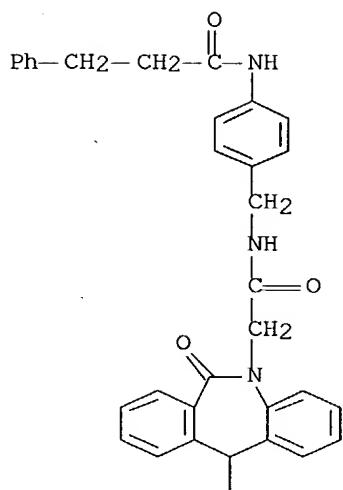
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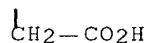
RN 326401-69-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]- (9CI) (CA
INDEX
NAME)

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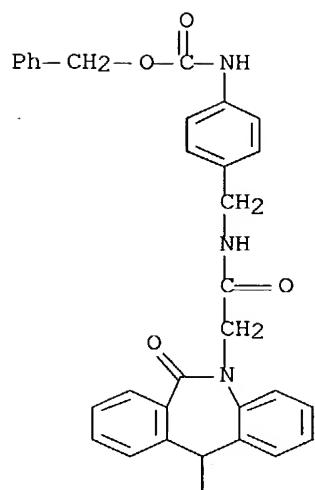


RN 326401-74-5 CAPLUS

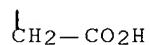
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-

[(phenylmethoxy)carbonyl]amino]phenylmethyl]amino]ethyl]- (9CI) (CA
INDEX NAME)

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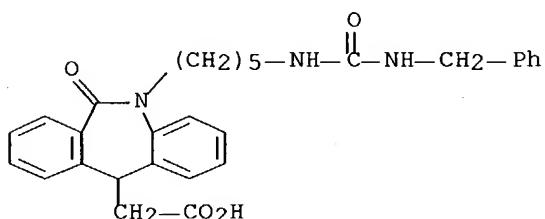


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RN 326401-82-5 CAPLUS

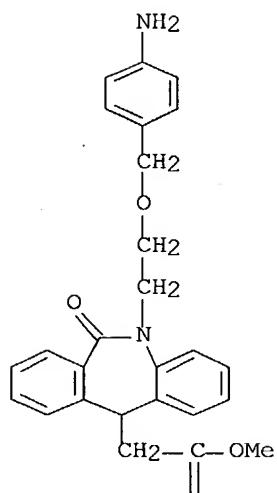
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[5-
[[[(phenylmethyl)amino]carbonyl]amino]pentyl]- (9CI) (CA INDEX NAME)



RN 326401-87-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(4-
aminophenyl)methoxy]ethyl]-
6,11-dihydro-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX
NAME)

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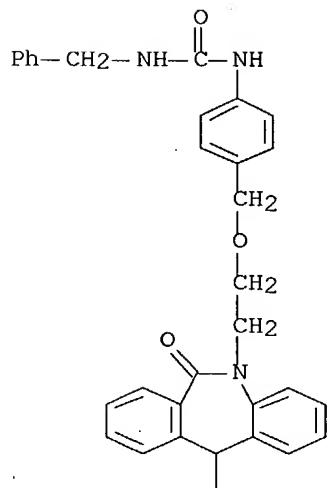


● HCl

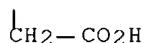
RN 326401-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methoxy]ethyl]- (9CI) (CA
INDEX NAME)

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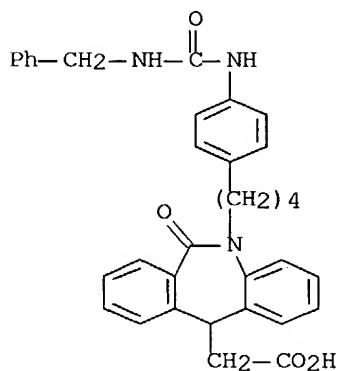


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RN 326401-97-2 CAPLUS

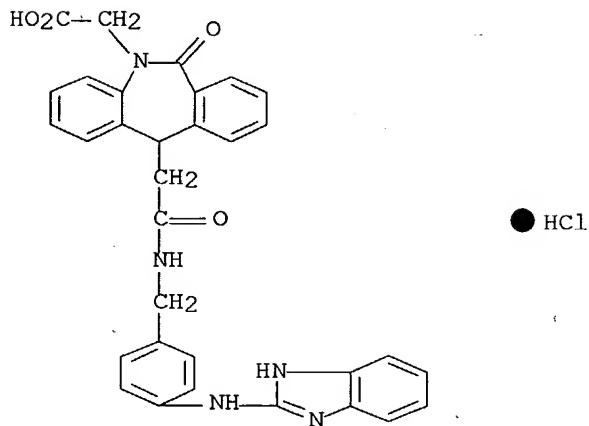
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]butyl]- (9CI) (CA INDEX
NAME)



RN 326402-02-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-acetic acid, 11-[2-[[[4-(1H-benzimidazol-2-
ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,

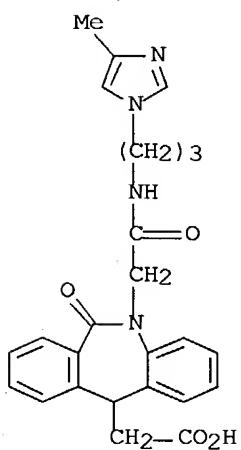
monohydrochloride (9CI) (CA INDEX NAME)



• HCl

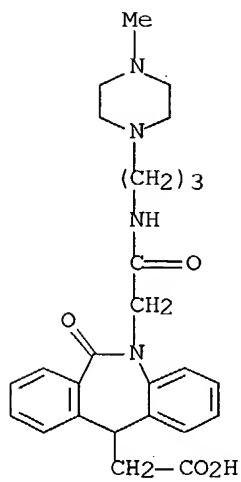
RN 326402-06-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(4-methyl-1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



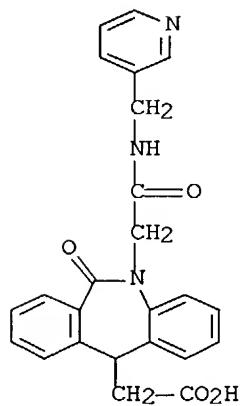
RN 326402-11-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(4-methyl-1-piperazinyl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



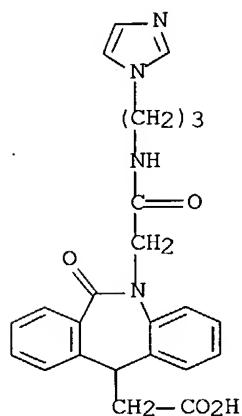
RN 326402-16-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(3-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

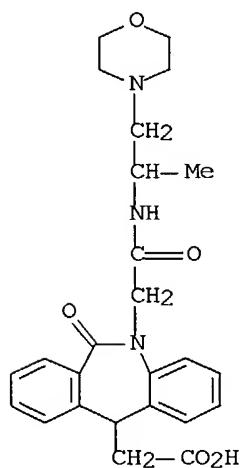


RN 326402-21-5 CAPLUS

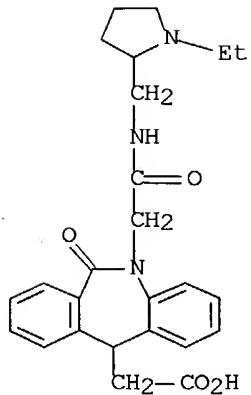
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-26-0 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[1-methyl-2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



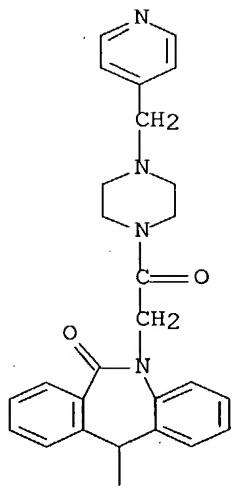
RN 326402-31-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[1-ethyl-2-pyrrolidinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-35-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-pyridinylmethyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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CH₂-CO₂H

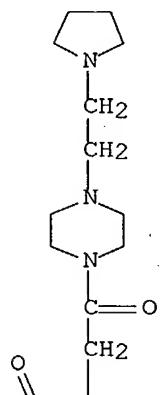
RN 326402-40-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-

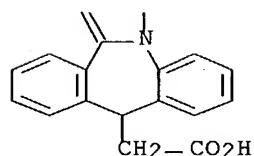
[2-

(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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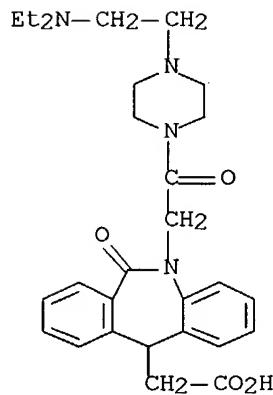


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RN 326402-44-2 CAPLUS

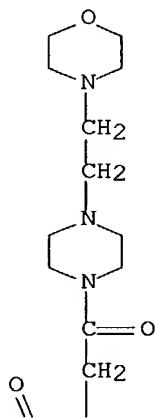
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



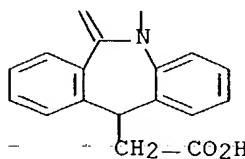
RN 326402-48-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[2-(4-morpholinyl)ethyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

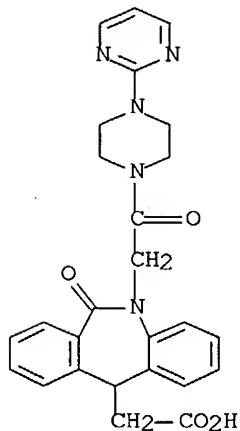
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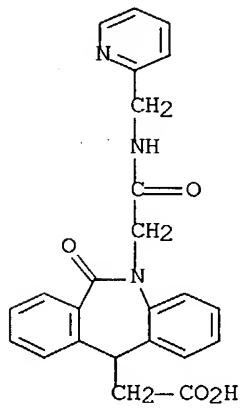
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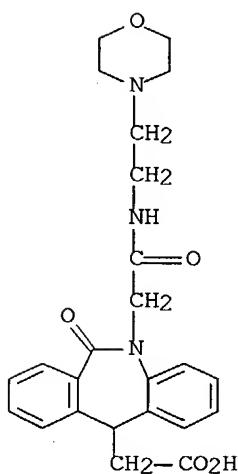
RN 326402-52-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyrimidinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-57-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

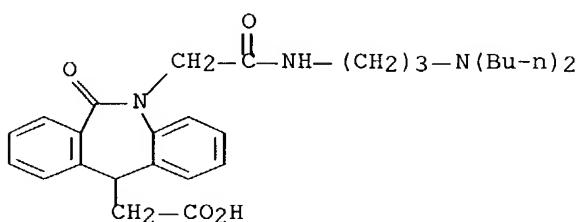


RN 326402-62-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



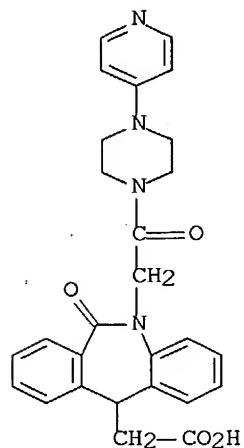
RN 326402-66-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[3-(dibutylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-71-5 CAPLUS

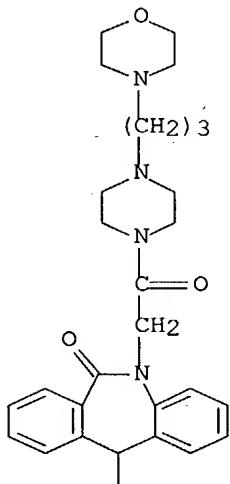
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-piperazinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-76-0 CAPIUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[3-(4-morpholinyl)propyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

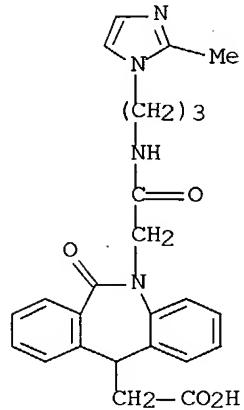
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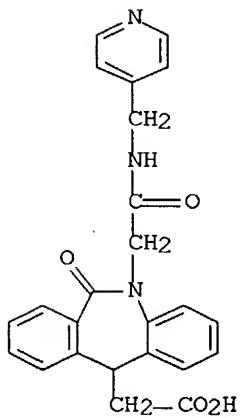
PAGE 2-A

CH₂-CO₂H

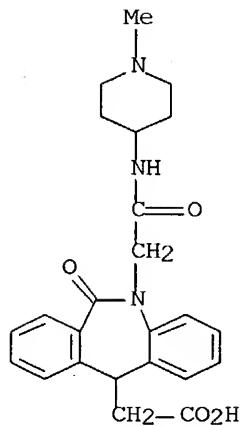
RN 326402-80-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(2-methyl-
1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



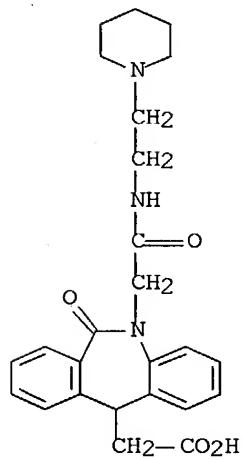
RN 326402-85-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(4-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-90-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1-methyl-4-piperidinyl)amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

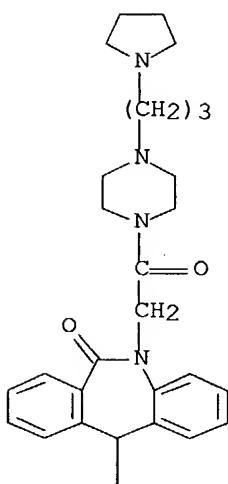


RN 326402-94-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-methylpiperidinyl)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

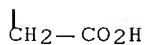


RN 326402-99-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(3-pyrrolidinyl)propyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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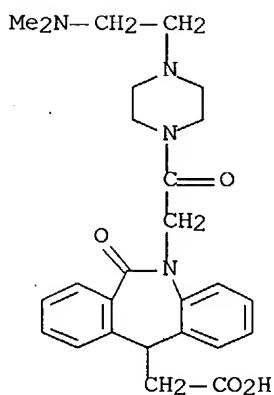


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RN 326403-04-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dimethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

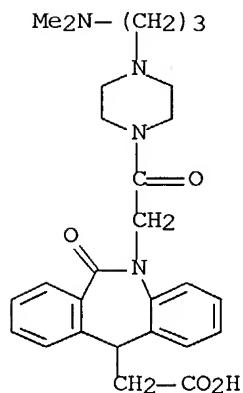


RN 326403-08-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dimethylamino)propyl]-

1-

piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN

326403-13-8 CAPLUS

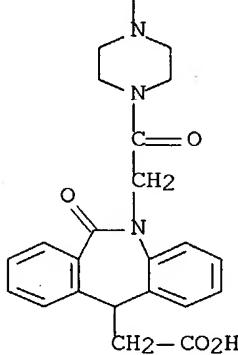
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5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dipropylamino)ethyl]-

1-

piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

(n-Pr)₂N-CH₂-CH₂



RN

326403-18-3 CAPLUS

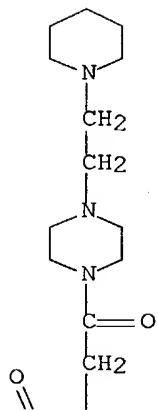
CN

5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-

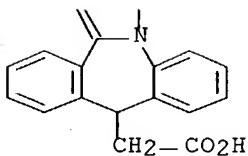
[2-

(1-piperidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

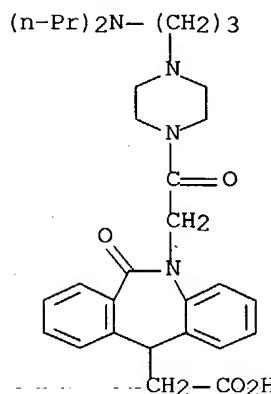
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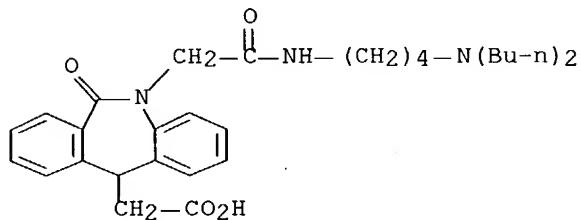
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RN 326403-22-9 CAPLUS
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dipropylamino)propyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

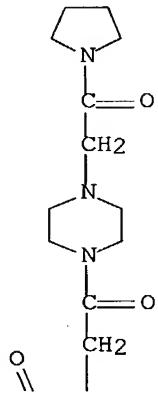


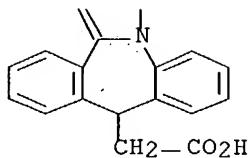
RN 326403-28-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dibutylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-32-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-oxo-2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

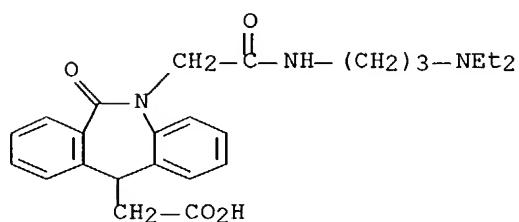
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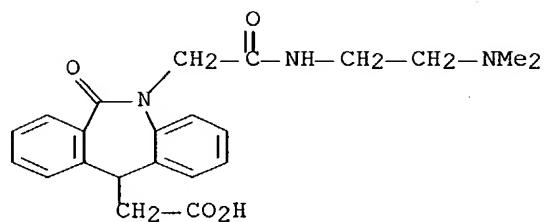
RN 326403-37-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[3-(diethylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME).



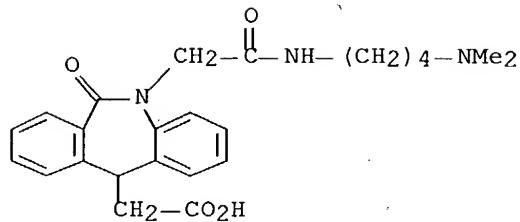
RN 326403-42-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-47-8 CAPLUS

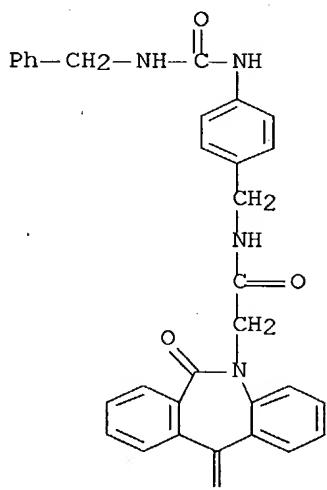
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-(dimethylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



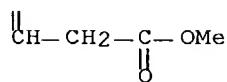
RN 326403-51-4 CAPLUS

CN Propanoic acid, 3-[5,6-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-11H-dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)

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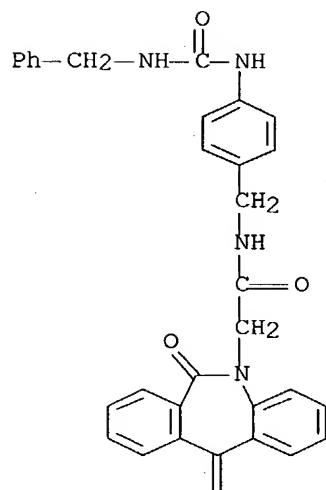
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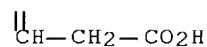
RN 326403-56-9 CAPLUS

CN Propanoic acid, 3-[5,6-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-11H-dibenz[b,e]azepin-11-ylidene]- (9CI) (CA INDEX NAME)

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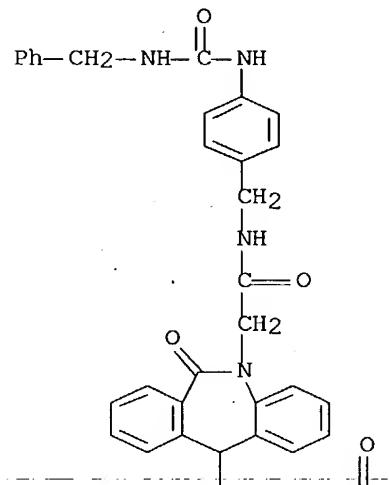
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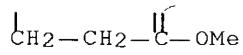
RN 326403-61-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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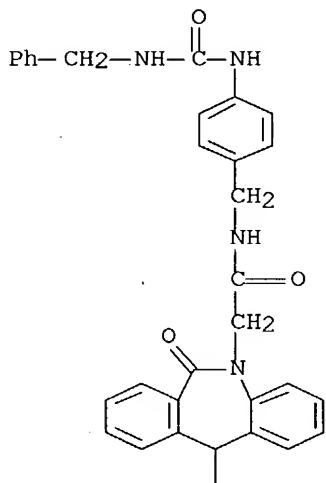
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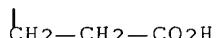
RN 326403-66-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-
(9CI) (CA INDEX NAME)

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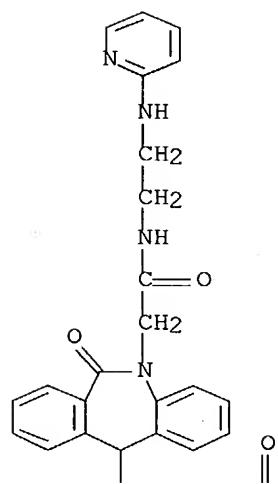
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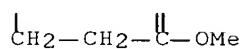
RN 326403-71-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-(2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX
NAME)

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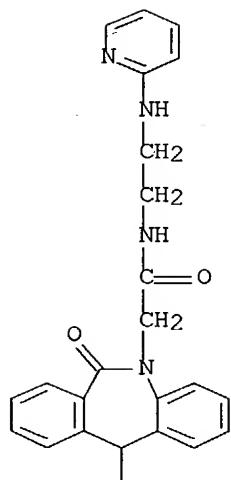
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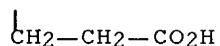
RN 326403-76-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-(2-pyridinylamino)ethyl]amino]ethyl]-, monosodium salt (9CI) (CA INDEX
NAME)

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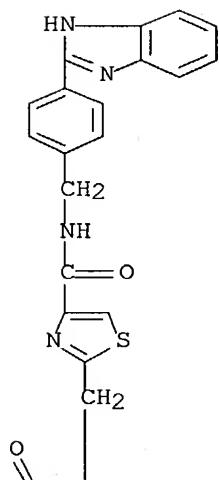


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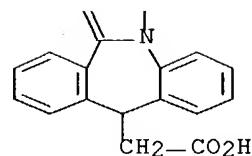
RN 326404-18-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[4-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-
(9CI) (CA INDEX NAME)

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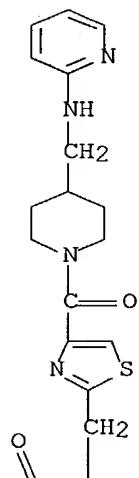
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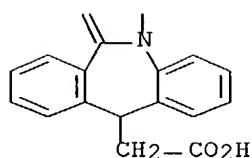
RN 326404-23-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[4-[(2-pyridinylamino)methyl]-1-piperidinyl]carbonyl]-2-thiazolyl]methyl]-
(9CI)
(CA INDEX NAME)

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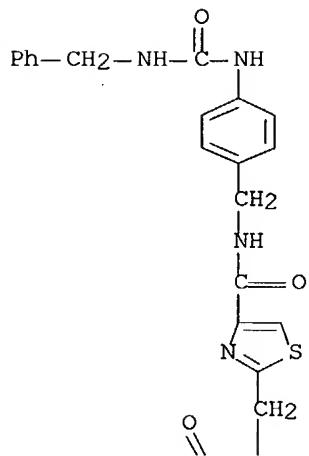
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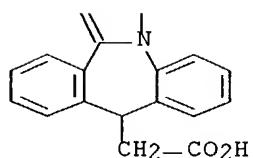
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[{4-[[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl}amino]carbonyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)

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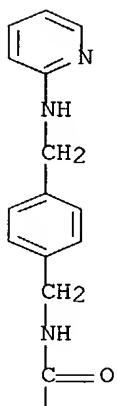
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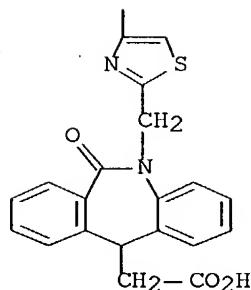
RN 326404-31-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[[4-[
[(2-
pyridinylamino)methyl]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-
(9CI) (CA INDEX NAME)

PAGE 1-A



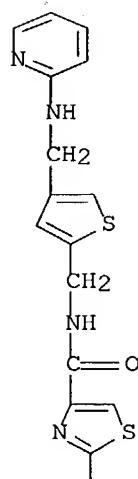
PAGE 2-A



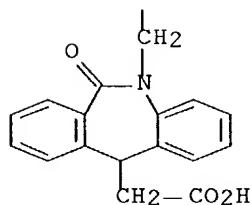
RN 326404-36-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[(2-
[(2-
pyridinylamino)methyl]-2-thienylmethyl]amino]carbonyl]-2-
thiazolylmethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



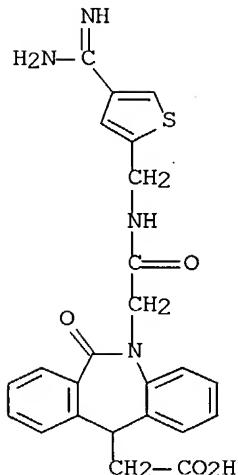
RN 326471-39-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

CM 1

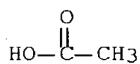
CRN 326471-38-9

CMF C₂₄ H₂₂ N₄ O₄ S



CM 2

CRN 64-19-7
CMF C2 H4 O2

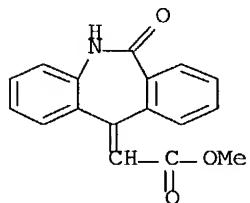


IT 90664-74-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of oxobenzazepinealkanoates and analogs as integrin receptor antagonists)

RN 90664-74-7 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, methyl ester (9CI) (CA INDEX NAME)



IT 21607-74-9P 90664-75-8P 326404-40-4P
326404-44-8P 326404-49-3P 326404-53-9P
326404-66-4P 326404-70-0P 326407-41-4P
326407-57-2P 326407-61-8P 326407-89-0P
326407-94-7P 326407-99-2P 326408-04-2P
326408-08-6P 326408-13-3P 326408-23-5P
326408-28-0P 326408-33-7P 326408-41-7P
326408-46-2P 326408-54-2P 326408-59-7P
326408-63-3P 326408-68-8P 326409-96-5P
326410-02-0P 326410-07-5P 326410-52-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

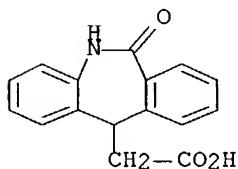
(Reactant or reagent)

(preparation of oxobenzazepinealkanoates and analogs as integrin receptor

antagonists)

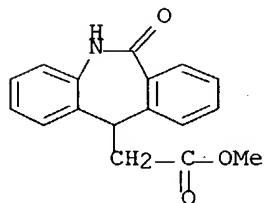
RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



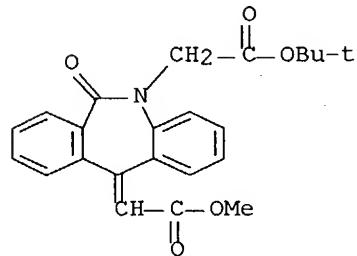
RN 90664-75-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



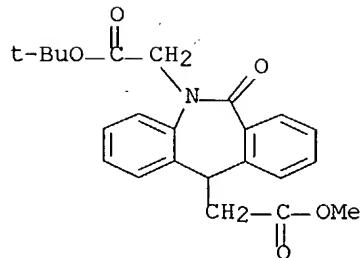
RN 326404-40-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(2-methoxy-2-oxoethylidene)-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



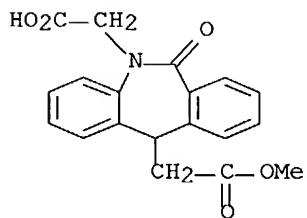
RN 326404-44-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-, α 5-(1,1-dimethylethyl) α 11-methyl ester (9CI) (CA INDEX NAME)



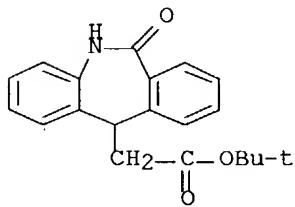
RN 326404-49-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
alpha11-methyl ester (9CI) (CA INDEX NAME)



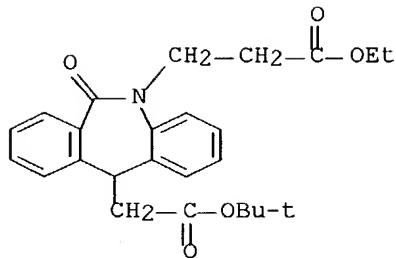
RN 326404-53-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



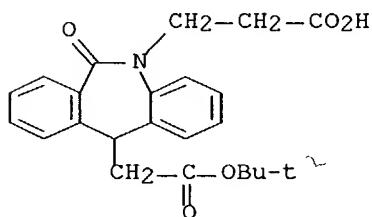
RN 326404-66-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-propanoic acid, 11-[2-(1,1-dimethylethoxy)-2-oxoethyl]-6,11-dihydro-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



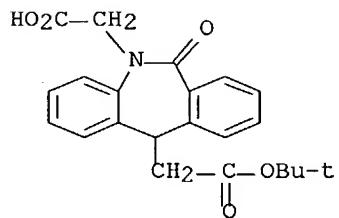
RN 326404-70-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-propanoic acid, 11-[2-(1,1-dimethylethoxy)-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



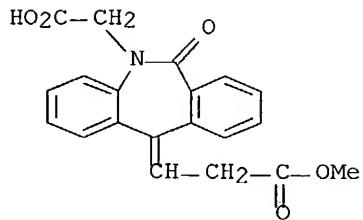
RN 326407-41-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-, alpha1-(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

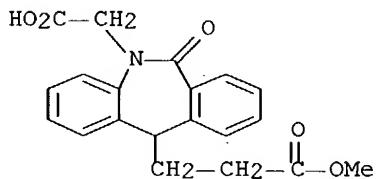


RN 326407-57-2 CAPLUS

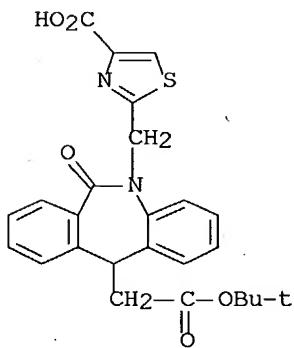
CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(3-methoxy-3-oxopropylidene)-6-oxo- (9CI) (CA INDEX NAME)



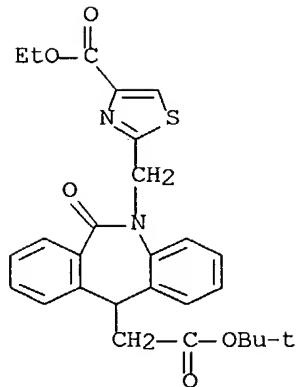
RN 326407-61-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 5-(carboxymethyl)-6,11-dihydro-6-oxo-, α-methyl ester (9CI) (CA INDEX NAME)



RN 326407-89-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[(4-carboxy-2-thiazolyl)methyl]-6,11-dihydro-6-oxo-, α-(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



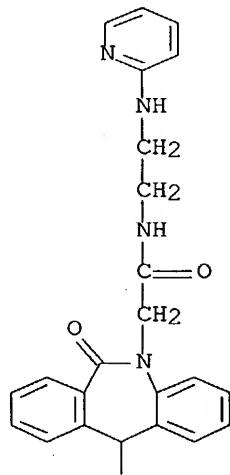
RN 326407-94-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[4-(ethoxycarbonyl)-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI)
 (CA INDEX NAME)



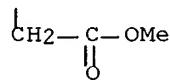
RN 326407-99-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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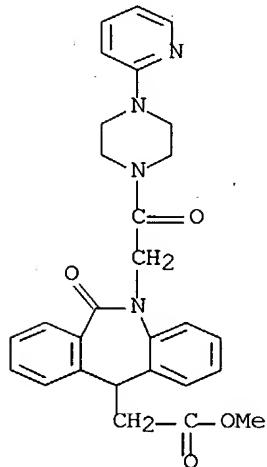


PAGE 2-A



RN 326408-04-2 CAPLUS

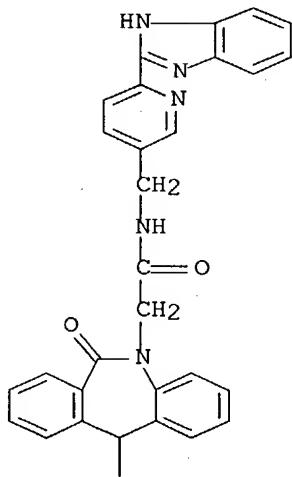
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

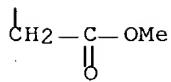


RN 326408-08-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[6-(1H-benzimidazol-2-yl)-2-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

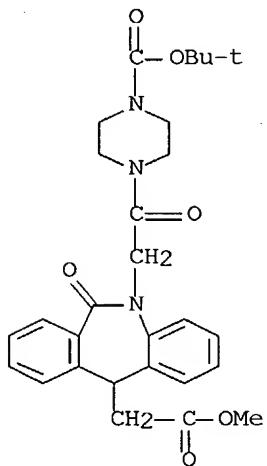
PAGE 1-A





RN 326408-13-3 CAPLUS

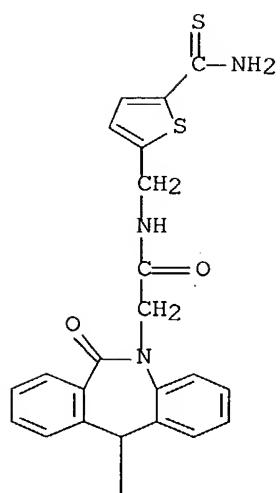
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



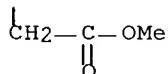
RN 326408-23-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminothioxomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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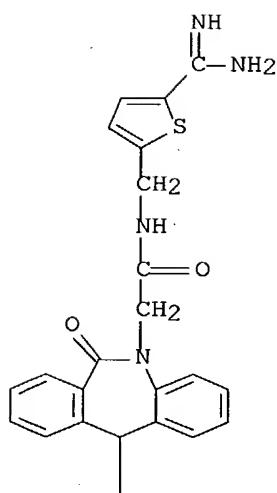
RN 326408-28-0 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester

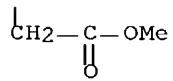
(9CI)

(CA INDEX NAME)

PAGE 1-A

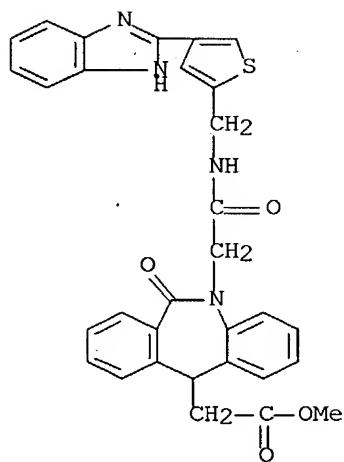


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RN 326408-33-7 CAPLUS

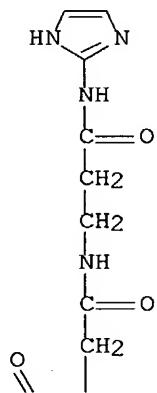
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
2-
(9CI)
(CA INDEX NAME)



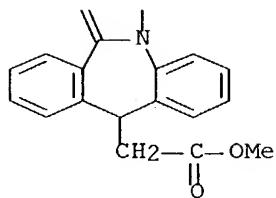
RN 326408-41-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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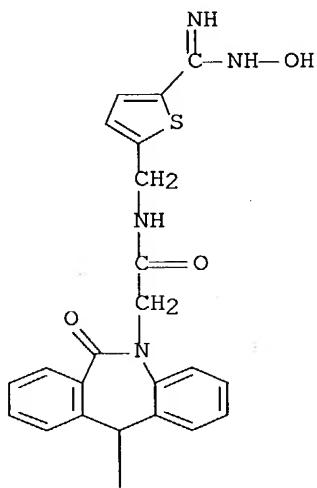
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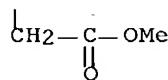
RN 326408-46-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[5-(hydroxyamino)iminomethyl]-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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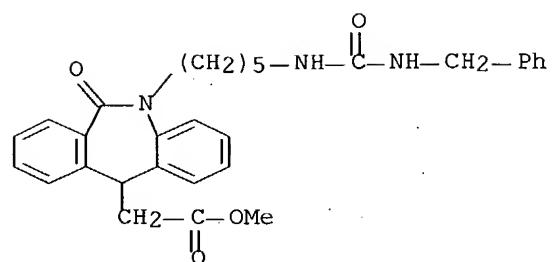


PAGE 2-A



RN 326408-54-2 CAPLUS

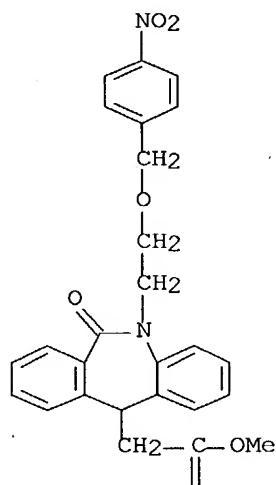
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[[(phenylmethyl)amino]carbonyl]amino]pentyl-, methyl ester (9CI) (CA INDEX NAME)



RN 326408-59-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(4-nitrophenyl)methoxy]ethyl]-6-oxo-, methyl ester, monohydrochloride (9CI)
(CA INDEX NAME)

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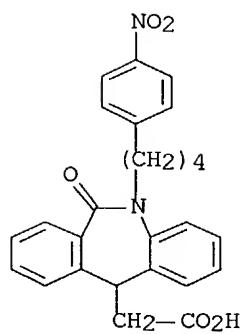
PAGE 2-A

HCl

● HCl

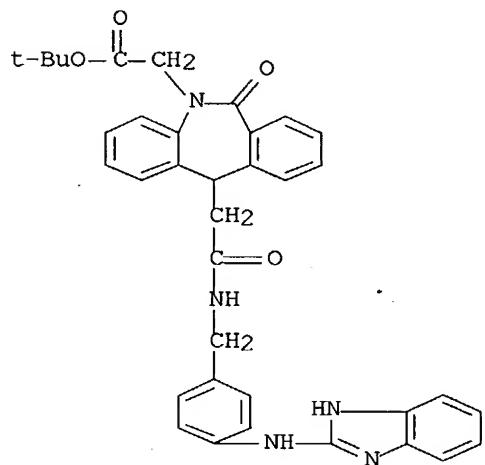
RN 326408-63-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[4-(4-nitrophenyl)butyl]-6-oxo- (9CI) (CA INDEX NAME)



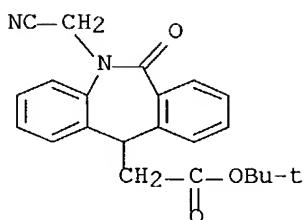
RN 326408-68-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-acetic acid, 11-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 326409-96-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-(cyanomethyl)-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 326410-02-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-(1-piperazinyl)ethyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA)

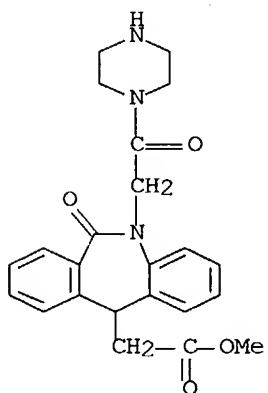
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NAME)

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CRN 326410-01-9

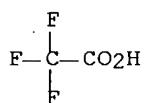
CMF C23 H25 N3 O4



CM 2

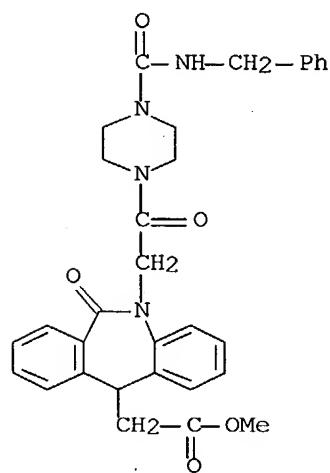
CRN 76-05-1

CMF C2 H F3 O2



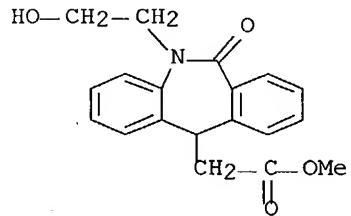
RN 326410-07-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl-, methyl ester
(9CI)
(CA INDEX NAME)



RN 326410-52-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-(2-hydroxyethyl)-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1984:438368 CAPLUS Full-text

DN 101:38368

TI 5,6-Dihydro-11-H-morphanthridin-6-ones and drugs containing them

IN Steiner, Gerd; Friedrich, Ludwig; Lenke, Dieter

PA BASF A.-G., Fed. Rep. Ger.

SO Ger. Offen., 18 pp.

CODEN: GWXXBX

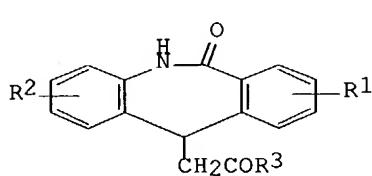
DT Patent

LA German

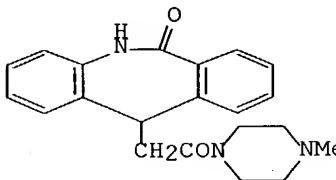
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 3326641	A1	19840202	DE 1983-3326641	19830723
PRAI DE 1982-3227934	A1	19820727		

GI



I



II

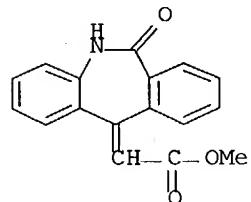
AB Morphanthridinones I [R1, R2 = H, halo, Cl-3 alkyl, CF3; R3 = 1-piperazinyl with N4-(un)substituted by Cl-3 alkyl, C2-3 hydroxyalkyl, or F-, Cl-, MeO-, or Me-(un)substituted Ph; R3 = C2-4 aminoalkyl, (methyl)morpholinoalkyl] and their physiol. tolerable acid addition salts, useful in treating illnesses accompanied by patholog. increased stomach secretion, e.g., stomach and duodenal ulcers (no data), were prepared. Thus, hydrogenating 11-(carbomethoxymethylene)-5,6-dihydmorphanthridin-6-one over 10% Pd/C in MeOH gave 94% 11-(carbomethoxymethyl) analog, which was saponified in refluxing aqueous ethanolic NaOH to give 96% cis,trans-11-(carboxymethyl) analog. This was converted with SOC12 into 99% acid chloride, which reacted with 1-methylpiperazine to give 80% amide II.

IT 90664-74-7

RL: RCT (Reactant); RACT (Reactant or reagent) (hydrogenation of)

RN 90664-74-7 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, methyl ester (9CI) (CA INDEX NAME)

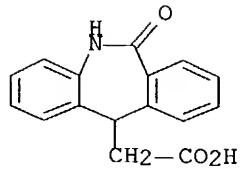


IT 21607-74-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and conversion into acid chloride)

RN 21607-74-9 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

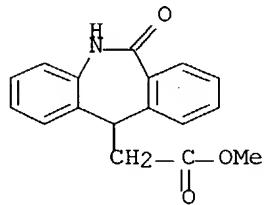


IT 90664-75-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
RACT (Reactant or reagent) (preparation and saponification of)

RN 90664-75-8 CAPIUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)



L11 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1976:180092 CAPLUS Full-text

DN 84:180092

TI Sulfonylureas and sulfonyl semicarbazides with antidiabetic action

IN Winter, Werner; Fauland, Erich; Stach, Kurt; Schmidt, Felix Helmut;
Aumueller, Walter

PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.

SO Ger., 8 pp.

CODEN: GWXXAW

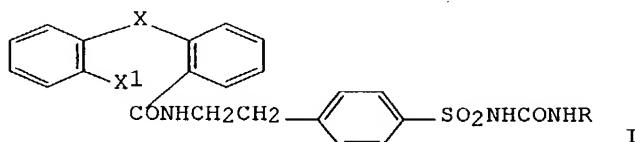
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PT	DE 1618112	A	19720510	DE 1967-B91627	19670315
	DE 1618112	B2	19750612		
	DE 1618112	C3	19760212		
	US 3646009	A	19720229	US 1968-711840	19680311
	GB 1153130	A	19690521	GB 1968-1153130	19680313
	CH 516535	A	19711215	CH 1968-516535	19680313
	CH 516541	A	19711215	CH 1968-516541	19680313
	CH 516542	A	19711215	CH 1968-516542	19680313
	NL 6803656	A	19680916	NL 1968-3656	19680314
	AT 281052	B	19700525	AT 1968-2545	19680314
	AT 281061	B	19700525	AT 1969-5843	19680314
	AT 281062	B	19700525	AT 1969-5844	19680314
	AT 281063	B	19700525	AT 1969-5845	19680314
	FR 1556173	A	19690131	FR 1968-1556173	19680315
	US 3752851	A	19730814	US 1971-182516	19710921
PRAI	DE 1967-B91627	A	19670315		
	US 1968-711840	A3	19680311		

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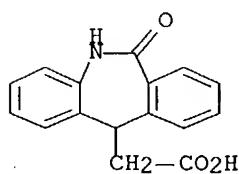
AB Sulfonylureas I ($X=CH_2CH_2, CH:CH, OCH_2, SCH_2, O, S,$ bond; $X_1=:CH, :CHCH_2, :C:CH$; R = cycloalkyl, hexamethylenimino, substituted piperidino, tetrahydrothiopyranyl) (34 compds.) were prepared e.g. by treating the carbamates with RNH₂. I had 12-16,000 times the antidiabetic activity of 4-H₂NC₆H₄SO₂NHCONHBu.

IT 21607-74-9P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



L11 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1969:96656 CAPLUS Full-text

DN 70:96656

TI Oxepin and thiepin derivatives of acetamide

IN Winter, Werner; Thiel, Max; Stach, Kurt; Schaumann, Wolfgang;
Ribbentrop,

Annemarie

PA Boehringer, C. F., und Soehne G.m.b.H.

SO S. African, 18 pp.

CODEN: SFXXAB

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 6707555		19680425		
	DE 1568217			DE	
	FR 1547207			FR	
	GB 1144829			GB	

PRAI DE 19661216

AB A mixture of 25.4 g. 6,11-dihydrodibenz[b,e]oxepin-11-ylideneacetic acid, m. 114-15°, and 40 ml. SOCl₂ was refluxed 2 hrs., evaporated, the residue in Et₂O mixed with 50 ml. NH₃, and the mixture kept overnight and worked up to give 79% 11-carboxamidomethylene-6,11-dihydrodibenz[b,e]oxepin (I), m. 205° (iso-PrOH). Analogously prepared were 82% 5-carboxamidomethyl- 10,11-dihydro-5H-dibenzo[a,d]cycloheptene (II), m. 137-8°; 5-carboxamidomethylene-5H-dibenzo[a,d]cycloheptene (III), m. 144-5°; 81% 5-carboxamidomethyl analog of III, m. 207-8°; 80% theipin analog of I, m. 209-10°; 78% 11-carboxamidomethyl-6,11-dihydrodibenz[b,e]thiepin, m. 194-5°; 72% 12-carboxamidomethylene-7,12-dihydro-6H-dibenzo[b,e]-thiocin, m. 171-3°; 78% 11-carboxamidomethylene-2-methyl-6,11-dihydrodibenz[b,e]oxepin, m. 202°; 11-carboxamidomethyl-2-methyl-6,11-dihydrodibenz[b,e]oxepin, m. 146°; and 42% trans - 11 - (1 - carboxamidoethylidene) - 6,11 - dihydrodibenz[b,e] - oxepin, m. 188-9° (iso-PrOH-ligroine) (cis isomer m. 218-19°, 31%). A solution of 25.3 g. I in 100 ml. tetrahydrofuran was treated with 25.3 g. granular Hg-Al, mixed dropwise with 50 ml. H₂O, and the mixture kept overnight and worked up to give 86% 11-carboxamidomethyl-6,11-dihydrodibenz[b,e]oxepin, m. 140-1° (iso-PrOH). A mixture of 23.1 g. 5-cyanomethylene-10,11-dihydro-5H-dibenzo[a,d]cycloheptene and 23.1 g. KOH in a mixture of 100 ml. each of H₂O and alc. was refluxed 4 hrs. and worked up to give 85% 5-carboxamidomethylene analog of II, m. 166-7°. III was prepared in this manner also. A solution of 2.7 g. Na in 20 ml. MeOH and 20 ml. HCONMe₂ (DMF) was added to a mixture of 5,6-dihydromorphanthridine-6,11-dione, 14.6 g. di-Et acetamidophosphonate, and 200 ml. DMF, and the mixture stirred 2 hrs. and worked up to give 60% 11-carboxamidomethyl-ene-5,6-dihydromorphanthridin-6-one, m. 315-18° (aqueous DMF). Also obtained was 5-methyl-11-carboxamidomethylene-5,6-di-hydromorphanthridin-6-one, m. 250-2° (EtOH). 5,6-Dihydro-morphanthridin-6-one-11-acetyl chloride (IV) (8 g.) in 50 ml. C₆H₆ was stirred with 200 ml. concentrated aqueous NH₃ to give 72% corresponding amide, m. 254-5°. A mixture of 11.5 g. 5,6-dihydro-morphanthridine-6,11-dione and 16.8 g. di-Et carbethoxymethyl-phosphonate in 200 ml. DMF was stirred with a solution of 2.7 g. Na in 20 ml. MeOH and 20 ml. DMF 2 hrs. and worked up, neutralized with HOAc, poured into H₂O, and filtered to give 75% 11-carbethoxymethylene-5,6-dihydromorphanthridin-6-one, m. 154-5° (iso-

PrOH). A solution of 9 g. of this in 200 ml. MeOH was hydrogenated over Raney Ni at atmospheric pressure to give 77% 11-carbethoxymethyl analog, m. 150-1° (iso-PrOH). Saponification of this gave the corresponding acid, m. 267-8° reaction of which with (COCl)2 at ambient temperature gave IV. The subject compds. possess muscle relaxing, tranquilizing, and anticonvulsive activity.

IT 21607-74-9P

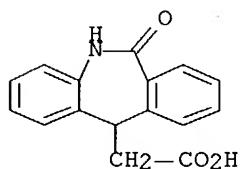
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 21607-74-9 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA

INDEX

NAME)



L11 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1969:68204 CAPLUS Full-text

DN 70:68204

TI Antidiabetic sulfonylureas and sulfonylsemicarbazides

IN Winter, Werner; Fauland, Erich; Stach, Kurt; Schmidt, Felix Helmut; Aumueller, Walter

PA Boehringer, C. F., und Soehne G.m.b.H.

SO S. African, 28 pp.

CODEN: SFXXAB

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 6801636		19680812		
	DE 1618112			DE	
	FR 1556173			FR	
	GB 1153130			GB	
	US 3646009		19720000	US	
	US 3752851		19730000	US	

PRAI DE 19670315

AB A solution of 4.5 g. p-[2-[2-(fluoren-9-yl)acetylamino]ethyl]phenylsulfonylcarbamic acid Et ester, 100 ml. anhydrous PhMe, and 10 ml. HCONMe₂ was added to 1.3 g. 4-methylcyclohexylamine at 80°, the mixture boiled 15 min., cooled, and shaken with 300 ml. 0.2N NaOH, the precipitate suction-filtered off, washed with ether, and dissolved in 1:1 acetone-H₂O, the solution diluted with H₂O and acidified to pH 5.5 by addition of dilute HCl to give 74% I (Y = bond line, X = CHCH₂, R = 4-methylcyclohexyl (Q)), m. 198-9° (MeOH). Similarly prepared I were (Y, X, R, & yield, and m.p. given): bond line, CHCH₂, 4,4-dimethylpiperidino (Z), 58, 163-4°; bond line, CHCH₂, 4-methylpiperidino (A), 76, 132-3°; CH₂O, C:CH, Z, 53, 183-4°; CH₂O, C:CH, Q, 65, 216-17°; CH₂O, CHCH₂, Q, 65, 216-17°; CH₂O, CHCH₂, Z, 44, 202-3°; O, CHCH₂, Q, 48, 208-10°; O CHCH₂, A, 45, 128-30°; CH₂O, C:CMe, Q, 42, - (K salt m. 161-3°); S, CHCH₂, Z, 55, - [K salt m. 172-4° (decomposition)]; bond line, CHCH₂, bicyclo[2.2.1]hept-2-yl, 58, 191-3°; bond line, CHCH₂, cyclooctyl, 52, 192-3°; bond line, CHCH₂, 1-adamantyl, 64, 201-2°; bond line, CHCH₂, 1-cycloheptyl, 49, 178-80°. A mixture of 4 g. p-[2-(2-(6,11-dihydrodibenz[b,e]-oxepin-11-yl)acetylamino)ethyl]benzenesulfonamide and 2.5 g. ground K₂CO₃ in 100 ml. acetone was boiled and stirred 30 min., 1.5 g. cyclohexyl isocyanate added dropwise, the mixture refluxed and stirred 2 hrs., solvent distilled, residue taken up in H₂O, clarified with charcoal, and filtered, and the filtrate acidified with dilute HCl to precipitate 66% I [Y = CH₂O, X = CHCH₂, R = cyclohexyl (E)], m. 201-2° (alc.). Similarly prepared are: I (Y = CH₂O, X = CHCH₂, R = Bu), m. 154-5°, and I (Y = bond line, X = C:CH, R = E), m. 199-200° from p-[2-(fluoren-9-ylidene)-acetylamino]ethyl]benzenesulfonamide, m. 215-16°. 3-[p-(2-Aminoethyl)phenylsulfonyl]-1-cyclohexylurea (6.5 g.; m. 211-12°) was suspended in 75 ml. pyridine and mixed with 5 g. xanthene-9-carboxylic acid chloride, the mixture kept 48 hrs., solvent distilled in vacuo, residue digested in dilute HCl, the solid filtered off by suction, washed with water, and purified by dissoln. in 0.2N NaOH and repn. with dilute HCl to give 81% I (Y = O, X = CH, R = E), m. 218-20° (MeOH). Similarly prepared were: I (Y = CH₂CH₂, X = CH, R = E), m. 202-3°, and I (Y = CH₂S, X = CHCH₂, R = A), m. 222-3°, from p-(H₂NCH₂CH₂)C₆H₄SO₂NHCONHA, m. 210-12°, and 6,11-

dihydrodibenzo[b,e]thiepin-11-ylacetyl chloride. A mixture of 4.5 g. p-[2-(2-(thianthen-9-yl)acetylamino)ethyl]benzenesulfonamide and an equimolar amount NaH in 20 ml. HCONMe₂ was stirred 10 min., 2.0 g. pyrocarbonic acid diethyl ester added, the mixture kept 10-15 min., and 0.36 g. HCl in absolute EtOH added to give a solution of p-[2-(2-thianthen-9-yl)acetylamino)ethyl]-phenylsulfonylcarbamic acid Et ester. To this solution was added 1.4 g. 4-methylcyclohexylamine in 100 ml. PhMe, the mixture boiled 25 min., cooled, and shaken with 0.2N NaOH, and dilute HCl added to precipitate 55% I (Y = S, X = CHCH₂, R = Q), m. 198-9° (MeOH). Similarly prepared were I (Y, X, R, % yield, and m.p. given): S, CHCH₂, Z, 48, 175-6°; bond line, C:CH, A, 63, 155-6°; CH₂S, C:CH, Q, 70, 189-90°; CH₂S, C:CH, A, 74, 210-11°; bond line, C:CH, Q, 72, 210-12°; CH:CH, CHCH₂, Q, 67, 174-5°; bond line, NCH₂, E, 64, 196-8°; bond line, NCH₂, Q, 73, 198-200°; bond line, NCH₂, A, 58, 154-6°; bond line, NCH₂CH₂, Q, 63, 206-8°; CH₂CH₂, C:CH, Q, 51, 194-5°; CH₂CH₂, CHCH₂, Q, 63, 204-6°; CH₂S, CHCH₂, Q, 51, 153-5°; CH₂S, CHCH₂, Z, 50, 226-8°; CH₂O, CHCH₂, A, 48, 198-200°; bond line, CH, A, 62, 172-3°; bond line, CHCH₂CH₂, E, 60, 207-8°; bond line, CHCH₂CH₂, Q, 59, 210-12; bond line, CHCH₂CH₂, Z, 52, 156-8°. Similarly prepared II were (Y, X, R, R₁, % yield, and m.p. given): CH₂O, CHCH₂, Q, MeO, H, 67, 172-4°; CH₂O, CHCH₂, Q, Me, H, 56, 179-80°; CH₂O, CHCH₂, Q, Cl, H, 72, 210-12°; bond line, CHCH₂, Q, H, Me, 75, 202-3°; bond line, CHCH₂, Q, H, MeO, 58, 168-9°; bond line, CHCH₂, Q, H, Cl, 69, 218-20°. Similarly prepared was 71% 1-(4-methylcyclohexyl)-3-[p-(2-(2-(6,7-dihydro-12H-dibenzo[b,e]thiocin-12-yl)acetylamino)ethyl)-phenylsulfonyl]urea, m. 184-6°. Similarly prepared I from the Na salt of p-[2-(2-(fluoren-9-yl)acetylamino)ethyl]benzenesulfonamide were (Y, X, R, % yield, and m.p. given): bond line, CHCH₂, 4-methoxycyclohexyl, 61%, 196-7°; bond line, CHCH₂, tetrahydrothiopyran-4-yl, 53, 221-2°; bond line, CHCH₂, 4,4-dimethylcyclohexyl, 67, 197-8°; bond line, CHCH₂, 2-phenylethyl, 55, 186-7°; bond line, CHCH₂, E, 54, 205-5°. Similarly prepared was 72% 1,1-hexamethylene-4-[p-(2-(2-(fluoren-9-yl)-acetylamino)ethyl)phenylsulfonyl]semicarbazide, m. 110-12°. To prepare the acylaminoethylbenzenesulfonamides, 1 mole of the carboxylic acid chloride in question, dissolved in CH₂C₁₂, was added dropwise with stirring to a solution of 1 mole p-(H₂NCH₂CH₂)-C₆H₄SO₂NH₂, and 2 moles Na₂CO₃ in H₂O, the mixture stirred 1-2 hrs., dilute NaOH and H₂O added to pH 10-11, CH₂C₁₂ separated, and dilute HCl added to pH 8.8 to precipitate product which can be recrystd. from dilute alc. or 10:1:6 alc.-HCONMe₂-H₂O. To prepare the acylaminoethylphenylcarbamic acid Et esters, 1 mole of the acylaminoethylbenzenesulfonamide was dissolved in HCONMe₂, mixed with 1 mole NaH, cooled, stirred 20 min., 1.2 mole pyrocarbonic acid diethyl ester added, the mixture heated and stirred at 60°, after cessation of CO₂ evolution, the solvent vacuum distilled, the residue dissolved in H₂O, and dilute HCl added to pH 2-4 to precipitate product which may be recrystd. from alc. III and IV prepared were [Y, X, m.p. III, m.p. IV (R = H), and m.p. IV (R = CO₂Et) given]: bond line, C:CH, 229-31°, 215-16°, -; bond line, CHCH₂, 139-41°, 207-9°, 135-6°; O, CHCH₂, 158-9°, 236-8°, 162-4°; S, CHCH₂, 170-1°, 208-9°, 137-9°; CH₂O, C:CH, 185-6°, 238-9°, 196-7°; CH₂O, CHCH₂, 117-19°, 178-9°, -; CH₂O, C:CMe, 178°, -, 128-30°; CH₂S, C:CH, 179-81°, 210-12°, -; CH₂S, CHCH₂, 208-9°, 167-9°, -; CH:-CH, CHCH₂, 167-8°, 197-8°, -; CH₂CH₂, CHCH₂, 162-4°, 194-5°, -; CH₂CH₂, C:CH, 167-8°, 197-8°, -; bond line, NCH₂, 215°, 254-5°, -; bond line, NCH₂CH₂, 166-8°, 173°, -; bond line, CH, 218-20°, 234-6°, -; bond line, CHCH₂CH₂, 145-6°, 186-8°, -. V and VI prepared were (Y, X, R₁, R₂, m.p. V, and m.p. VI given): bond line, CHCH₂, H, Me, 126-7°, 210-11°; bond line, CHCH₂, H, MeO, 170-1°, 158-60°; bond line,

CHCH₂, Cl, H, -, 212-13°; CH₂O, CHCH₂, MeO, H, 119-20°, 138-40°; CH₂O,
CHCH₂, Me, H, 110-11°, 169-70°; CH₂O, CHCH₂, Cl, H, 211-12°, 190-2°.
Similarly prepared were: 6,7-dihydro-12H-dibenzo[b,e]thiocin- 12-ylacetic acid, m. 193°, p-[2-(2-(6,7-dihydro-12H-dibenzo[b,e]thiocin-12-yl)acetylamo) ethyl]benzenesulfonamide, m. 163-5°, 6,7-dihydro-12H-dibenzo-[b,e]thiocin-12-ylideneacetic acid, m. 200-2°, and 6-oxo-5,6-dihydro-11H-dibenzo[b,e]azepin-11-ylacetic acid, m. 267-8°.

IT 21607-74-9P

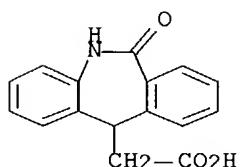
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 21607-74-9 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA

INDEX

NAME)



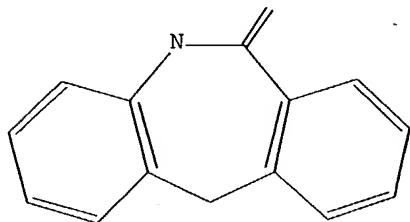
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L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

L8 HAS NO ANSWERS

L8 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

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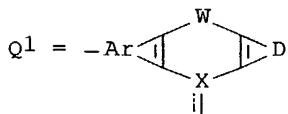
L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:142712 CAPLUS Full-text
DN 136:200186

TI Preparation of dibenzo[b,e]azepines as $\alpha V\beta 3$ integrin ligands
IN Geneste, Herve; Kling, Andreas; Lauterbach, Arnulf; Graef, Claudia
Isabella; Subkowski, Thomas; Hornberger, Wilfried
PA Basf Aktiengesellschaft, Germany
SO PCT Int. Appl., 157 pp.
CODEN: PIXXD2

DT Patent
LA German

FAN.CNT 9

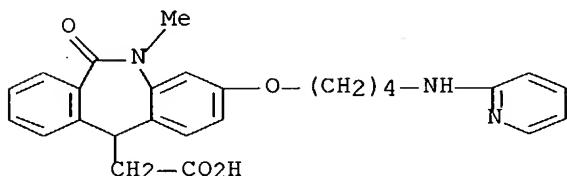
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PI	WO 2002014320	A2	20020221	WO 2001-EP9224	20010809
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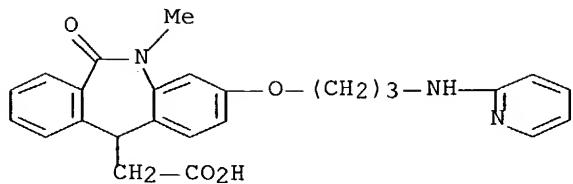
AB The invention relates to novel compds. which bind to integrin receptors, in particular as ligands for the $\alpha V\beta 3$ integrin receptor, the use thereof and pharmaceutical preps. containing said compds. BGL [L = UT; T = CO₂H, group hydroyzable to CO₂H, isostere of CO₂H; U = Xa(CR₁R₂)_b, CR₁:CR₂, C.tplbond.C, etc.; a = 0, 1; b = 0-2; X = CR₃R₄, NR₅, O, S; R₁-R₄ = T, H, OH, CONH₂, halo, amino, substituted alkyl, alkenyl, alkynyl, cycloalkyl, alkylaminocarbonyl, etc.; R₅ = H, (substituted) alkyl,

cycloalkyl, alkoxycarbonyl, alkylsulfonyl, etc.; G = Q1; Ar = atoms to form a (substituted) (anellated) (heterocyclic) 3-10 membered aryl ring; D = atoms to form a (substituted) (anellated) (unsatd.) (aromatic) 3-10 membered (heterocyclic) ring; X = CR11, N, C; W = YNR15; Y = CO, CS, C:NR12, CR13R14; R11 = H, halo, OH, (substituted) alkyl, alkoxy; R12 = H, OH, (substituted) alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, aralkyl, aralkoxy; R13, R14 = H, (substituted) alkyl, alkenyl, alkynyl, alkoxy; R13R14 = OCH₂CH₂O, OCH₂O, (substituted) cycloalkyl; R15 = R151, AR152, etc.; R151 = COR152, CSR152, NO₂, tetrazolyl, etc.; R152 = H, (substituted) cycloalkyl, aryl, heteroaryl, etc.; R153 = H, OH, (substituted) alkyl, alkoxy, aralkyl, aralkoxy, etc.; B = structure element containing ≥ 1 atom which can function as an acceptor in H bond formation under physiol. conditions], were prepared as $\alpha V\beta 3$ integrin ligands (no data). Thus, ethyldiisopropylamine and HATU were added to a 0° solution of 11-(2-methoxy-2-oxoethyl)-5-methyl-6-oxo- 6,11-dihydro-5H-dibenzo[b,e]azepine-3-carboxylic acid (preparation given) in CH₂Cl₂; the mixture was stirred 1 h at 0° and 7-(4-aminobutyl)- 1,2,3,4-tetrahydro[1,8]naphthyridine bistrifluoroacetate and ethyldiisopropylamine were added followed by stirring for 1 h at 0° overnight at room temperature to give Me [5-methyl-6-oxo-3-[[4-[5,6,7,8-tetrahydro[1,8]naphthyridin-2-yl]butyl]amino]carbonyl]-6,11-dihydro-5H-dibenzo[b,e]azepin-11-yl]acetate.

IT 400712-67-6P 400712-68-7P 400712-69-8P
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 400712-78-9P 400712-79-0P 400712-82-5P
 400712-83-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of dibenzoazepines as $\alpha V\beta 3$ integrin ligands)
 RN 400712-67-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[4-(2-pyridinylamino)butoxy]- (9CI) (CA INDEX NAME)



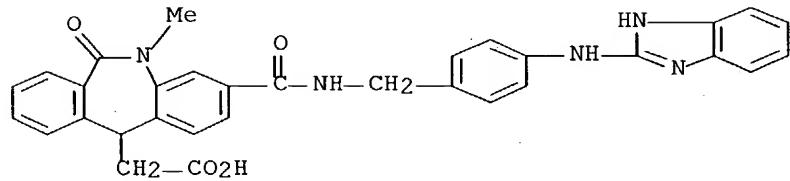
RN 400712-68-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 400712-69-8 CAPLUS

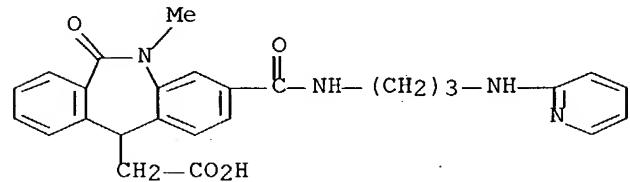
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 400712-70-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[(2-pyridinylamino)propyl]amino]carbonyl-, monosodium salt (9CI) (CA INDEX NAME)

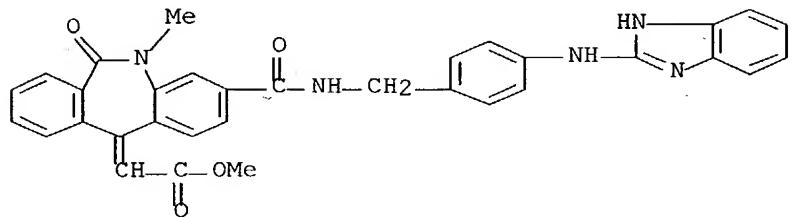


● Na

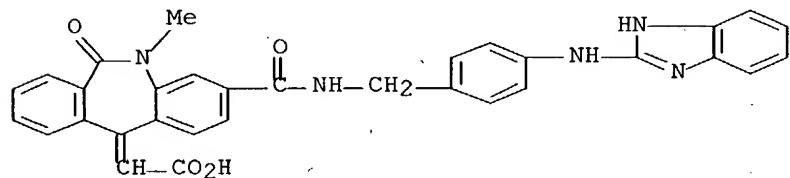
RN 400712-71-2 CAPLUS

CN Acetic acid, [3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbo

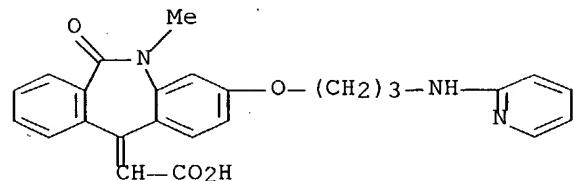
nyl]-5,6-dihydro-5-methyl-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)



RN 400712-72-3 CAPLUS
CN Acetic acid, [3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbo-
nyl]-5,6-dihydro-5-methyl-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]- (9CI)
(CA INDEX NAME)



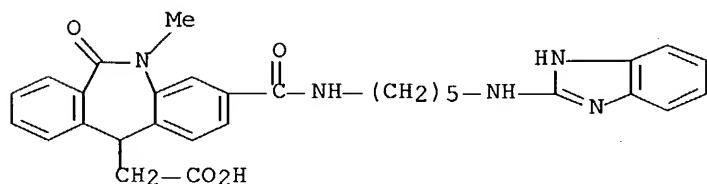
RN 400712-73-4 CAPLUS
CN Acetic acid, [5,6-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-
11H-dibenz[b,e]azepin-11-ylidene]-, monosodium salt (9CI) (CA INDEX
NAME)



● Na

RN 400712-74-5 CAPLUS

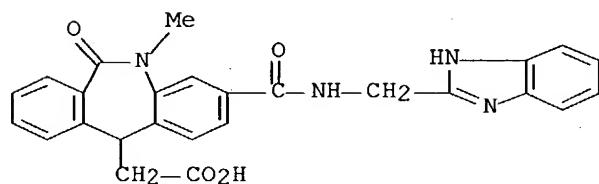
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 400712-75-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[(1H-benzimidazol-2-ylmethyl)amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)

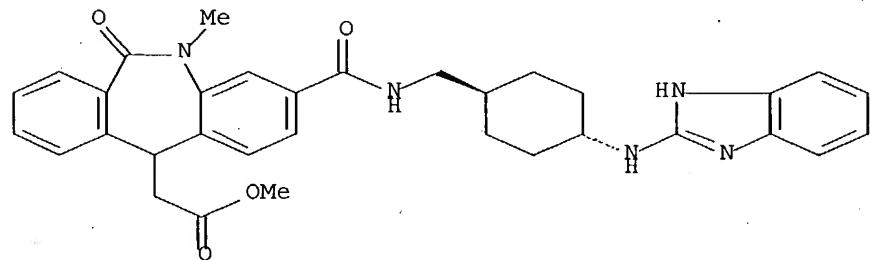


● Na

RN 400712-78-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

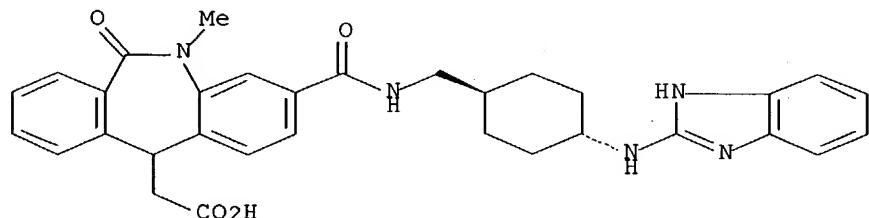
Relative stereochemistry.



RN 400712-79-0 CAPLUS

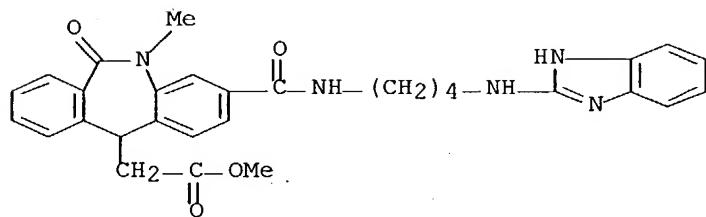
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo- (9CI) (CA INDEX NAME)

Relative stereochemistry.



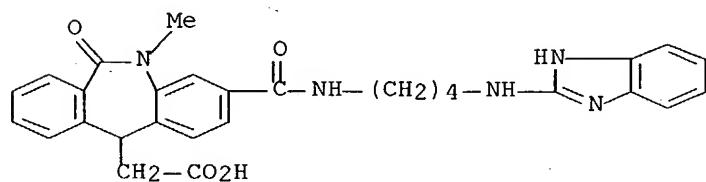
RN 400712-82-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)butyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 400712-83-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)butyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo- (9CI) (CA INDEX NAME)



IT 400712-92-7P 400712-93-8P 400712-94-9P

400712-95-0P 400712-96-1P 400712-99-4P

400713-00-0P 400713-04-4P 400713-05-5P

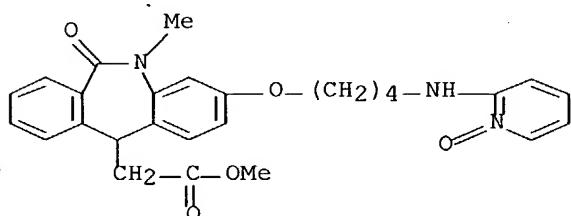
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
RACT

(Reactant or reagent)

(preparation of dibenzoazepines as $\alpha V\beta 3$ integrin ligands)

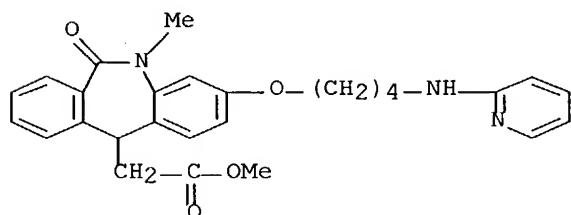
RN 400712-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-3-[4-[(1-oxido-2-pyridinyl)amino]butoxy]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



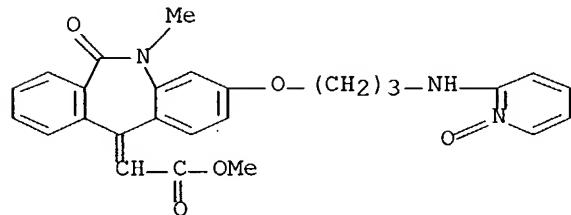
RN 400712-93-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[4-(2-pyridinylamino)butoxy]-, methyl ester (9CI) (CA INDEX NAME)



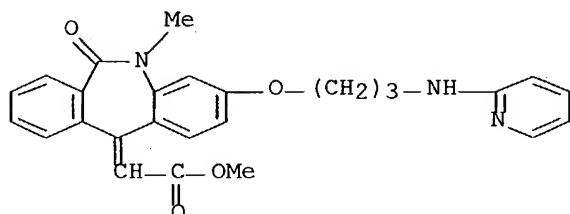
RN 400712-94-9 CAPLUS

CN Acetic acid, [5,6-dihydro-5-methyl-3-[3-[(1-oxido-2-pyridinyl)amino]propoxy]-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)



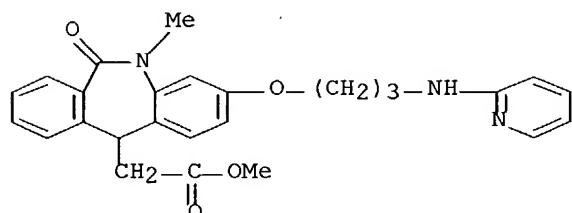
RN 400712-95-0 CAPLUS

CN Acetic acid, [5,6-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-11H-dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)



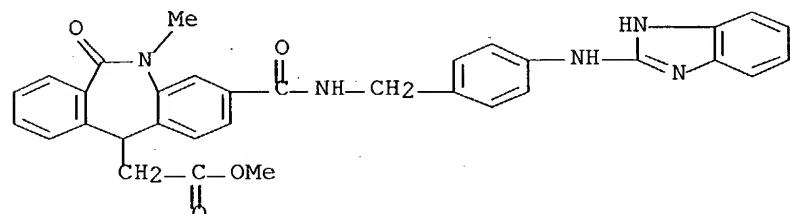
RN 400712-96-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-, methyl ester (9CI) (CA INDEX NAME)



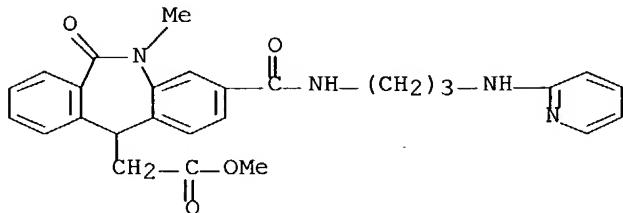
RN 400712-99-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



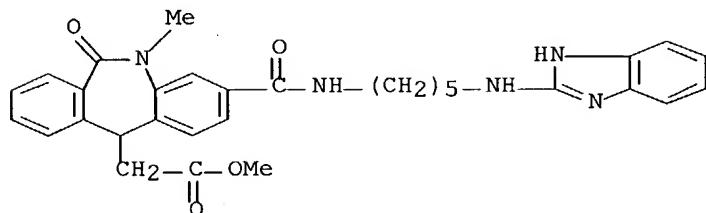
RN 400713-00-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[[(3-(2-pyridinylamino)propyl)amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



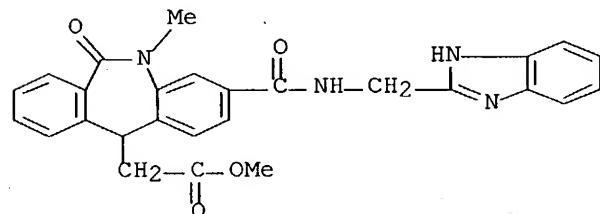
RN 400713-04-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

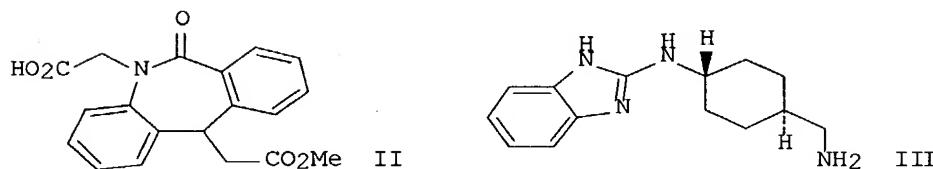
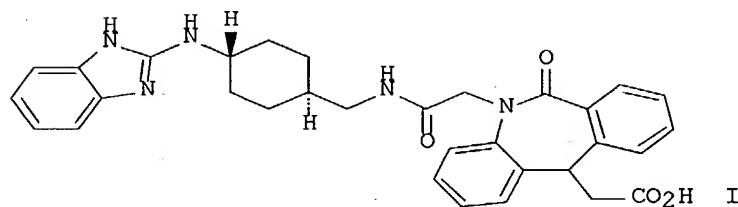


RN 400713-05-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[(1H-benzimidazol-2-ylmethyl)amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:97692 CAPLUS Full-text
DN 137:103383
TI Synthesis and SAR of N-substituted dibenzazepinone derivatives as novel potent and selective $\alpha V\beta 3$ antagonists
AU Kling, Andreas; Backfisch, Gisela; Delzer, Jurgen; Geneste, Herve; Graef, Claudia; Holzenkamp, Uta; Hornberger, Wilfried; Lange, Udo E. W.; Lauterbach, Arnulf; Mack, Helmut; Seitz, Werner; Subkowski, Thomas
CS Knoll GmbH, Ludwigshafen, D-67008, Germany
SO Bioorganic & Medicinal Chemistry Letters (2002), 12(3), 441-446
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 137:103383
GI



AB Substituted oxodibenzazepineacetic acids substituted with guanidines or guanidine pharmacophores such as I are prepared as potential $\alpha V\beta 3$ (vitronectin receptor) antagonists. The oxodibenzazepineacetic acid core II is prepared in 5 steps from 9,10-anthraquinone; coupling of II with guanidine or guanidine pharmacophore-substituted amines such as III followed by hydrolysis of the Me ester yields compds. such as I. Structure-activity relationships are determined for the guanidine or guanidine pharmacophore-substituted oxodibenzazepineacetic acids, varying the linker between the guanidine pharmacophore and the oxodibenzazepine and the choice of guanidine pharmacophore. Compound I and a second guanidine pharmacophore-substituted oxodibenzazepineacetic acid are found to be highly active inhibitors of the vitronectin receptor *in vitro* and are found to be bioavailable in ADME assays.

IT 326401-69-8P 326401-92-7P 443332-42-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 - (preparation of a guanidine- or guanidine pharmacophore-substituted

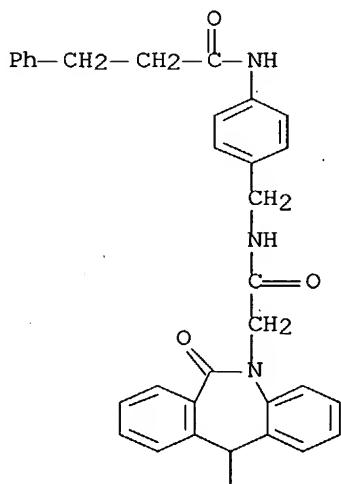
oxodibenzazepineacetic acid and lack of activity as a potential
 $\alpha\beta 3$ receptor antagonist)

RN 326401-69-8 CAPLUS

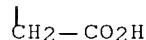
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]- (9CI) (CA
INDEX

NAME)

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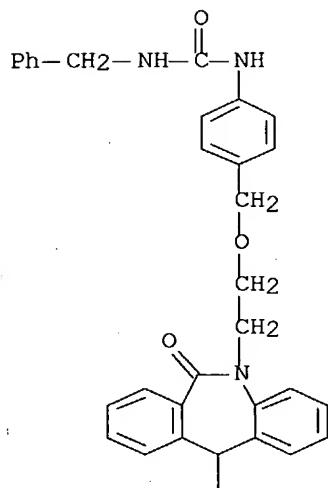
PAGE 2-A



RN 326401-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methoxy]ethyl]- (9CI) (CA
INDEX NAME)

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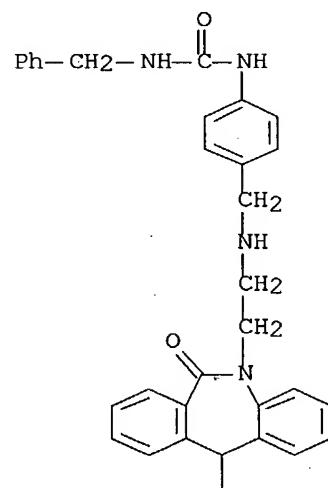
PAGE 2-A



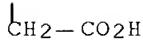
RN 443332-42-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[[4-
[[[phenylmethyl]amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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IT 326398-90-7P 326399-16-0P 326399-52-4P
326399-63-7P 326399-69-3P 326399-78-4P
326399-83-1P 326400-55-9P 326400-65-1P
326400-70-8P 326401-04-1P 326401-08-5P
326401-18-7P 326401-26-7P 326401-31-4P
326401-36-9P 326401-41-6P 326401-74-5P
326401-97-2P 326471-38-9P 443332-00-1P
443332-07-8P 443332-29-4P 443332-52-3P

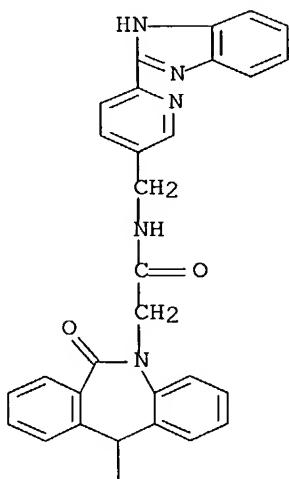
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

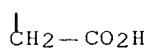
(preparation of guanidine or guanidine pharmacophore-substituted oxodibenzazepineacetic acids as potential $\alpha V\beta 3$ receptor antagonists)

RN 326398-90-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

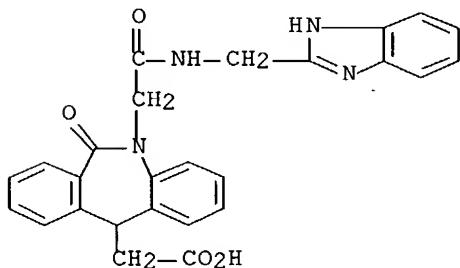
PAGE 1-A





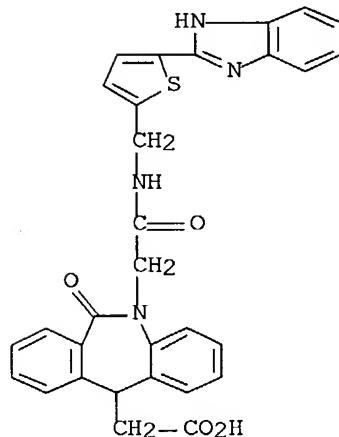
RN 326399-16-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-52-4 CAPLUS

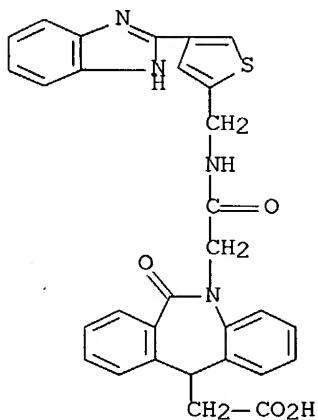
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-63-7 CAPLUS

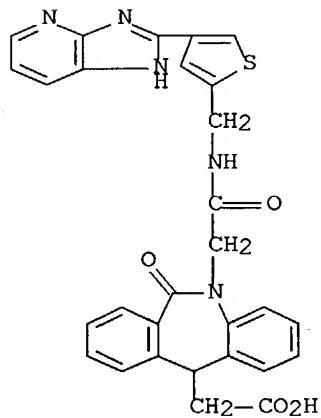
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

NAME)



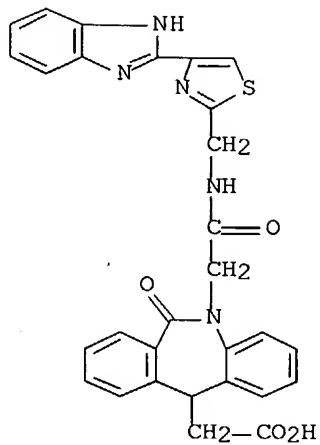
RN 326399-69-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



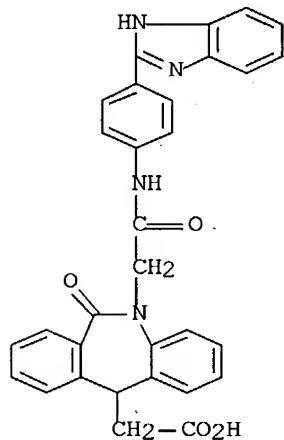
RN 326399-78-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-83-1 CAPLUS

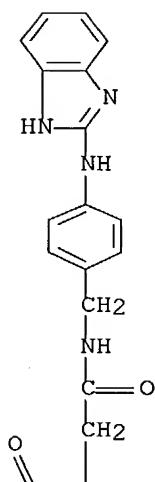
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



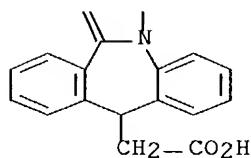
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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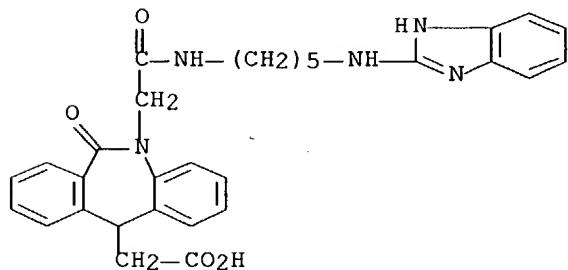


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RN 326400-65-1 CAPLUS

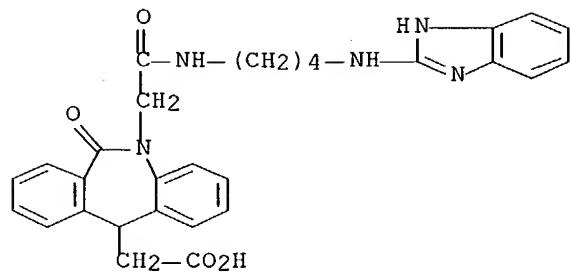
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-70-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-

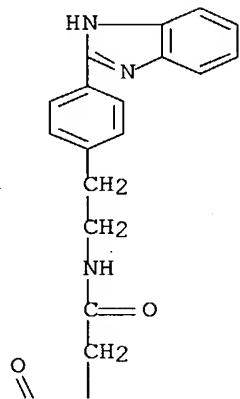
ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
NAME)



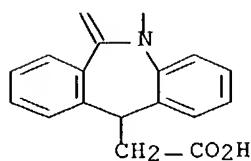
RN 326401-04-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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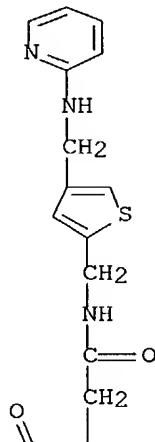


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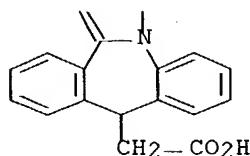


RN 326401-08-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[(2-pyridinylamino)methyl]-2-thienylmethyl]amino]ethyl]- (9CI) (CA
INDEX
NAME)

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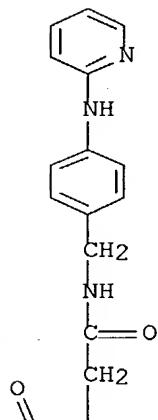


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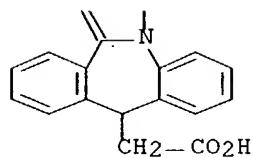


RN 326401-18-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[(2-pyridinylamino)phenylmethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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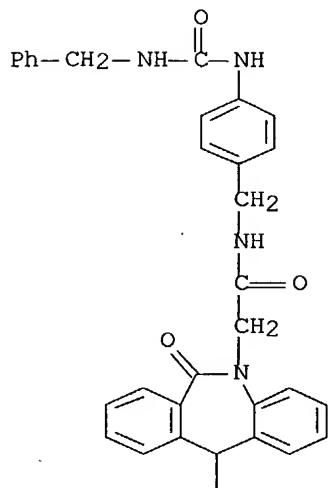
RN 326401-26-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

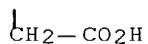
[[[4-

[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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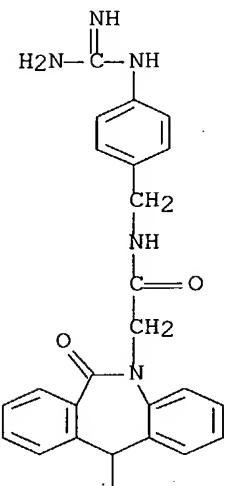
PAGE 2-A



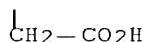
RN 326401-31-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
[(aminoiminomethyl)amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
6-
oxo- (9CI) (CA INDEX NAME)

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RN 326401-36-9 CAPLUS

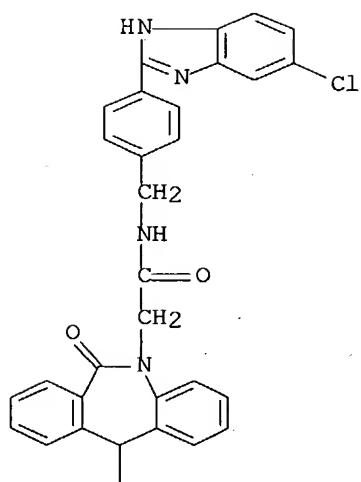
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-

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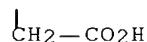
INDEX

NAME)

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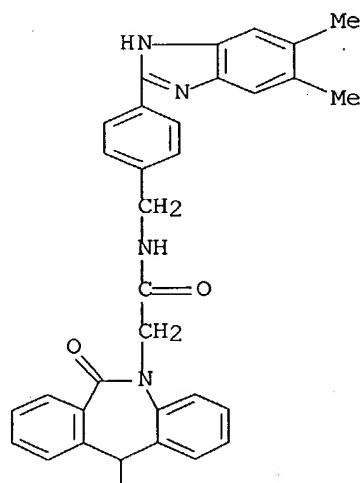
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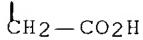
RN 326401-41-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-
(9CI) (CA INDEX NAME)

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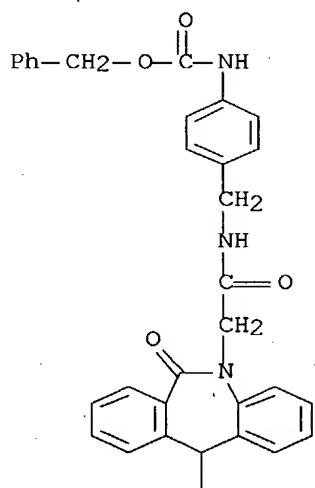
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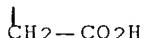
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[(phenylmethoxy) carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA
INDEX NAME)

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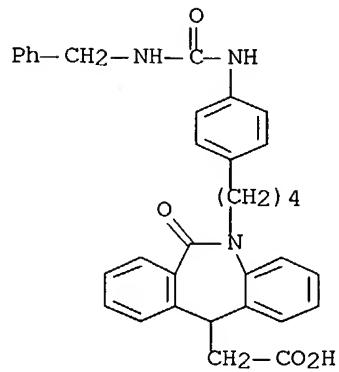


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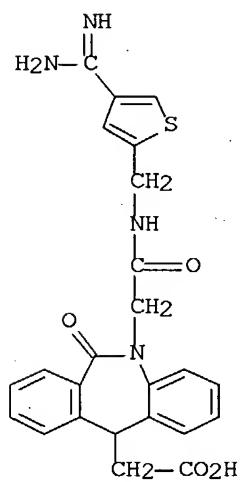
RN 326401-97-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-
[[(phenylmethyl)amino]carbonyl]amino]phenyl]butyl]- (9CI) (CA INDEX
NAME)



RN 326471-38-9 CAPLUS

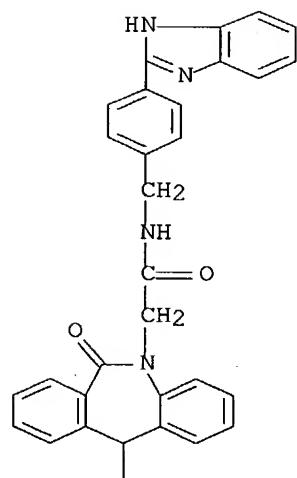
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 443332-00-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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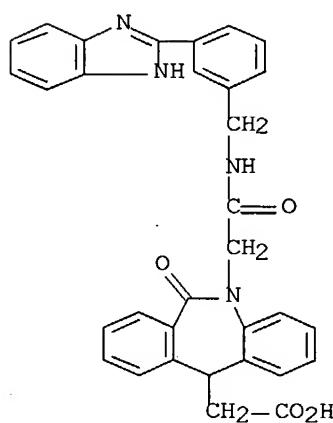


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RN 443332-07-8 CAPLUS

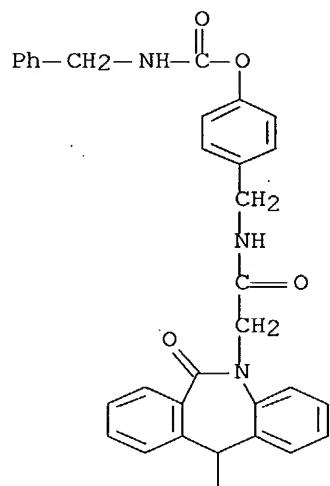
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[3-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



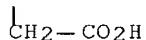
RN 443332-29-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[[(phenylmethyl)amino]carbonyl]oxy]phenyl]methyl]amino]ethyl]- (9CI)
(CA
INDEX NAME)

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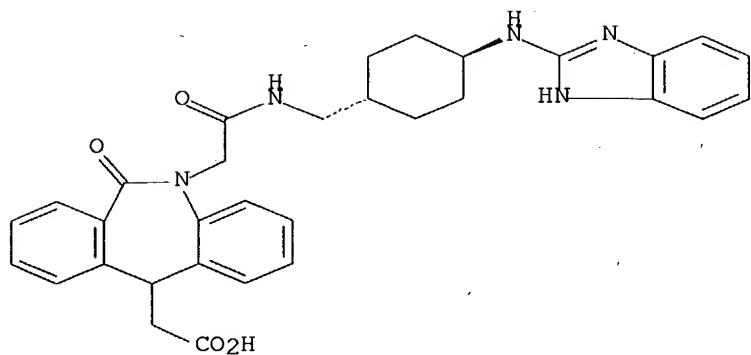


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RN 443332-52-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[trans-4-(1H-benzimidazol-
2-ylamino)cyclohexyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI)
(CA INDEX NAME)

Relative stereochemistry.



IT 326400-60-6P 326401-22-3P 326408-08-6P
 326408-33-7P 443331-29-1P 443331-31-5P
 443331-34-8P 443331-37-1P 443331-42-8P
 443331-47-3P 443331-50-8P 443331-53-1P
 443331-56-4P 443331-59-7P 443331-62-2P
 443331-65-5P 443331-68-8P 443331-73-5P
 443331-76-8P 443331-79-1P 443331-84-8P
 443331-87-1P 443331-90-6P 443331-93-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT

(Reactant or reagent)

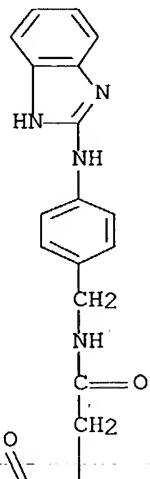
(preparation of guanidine or guanidine pharmacophore-substituted oxodibenzazepineacetic acids as potential $\alpha V\beta 3$ receptor antagonists)

RN 326400-60-6 CAPLUS

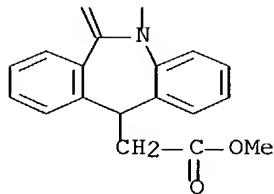
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester

(9CI) (CA INDEX NAME)

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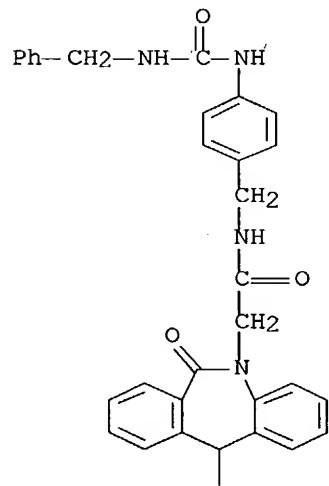
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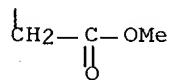
RN 326401-22-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
methyl
ester (9CI) (CA INDEX NAME)

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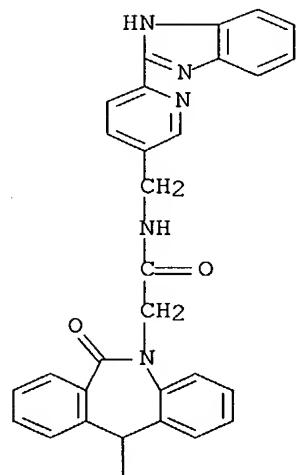


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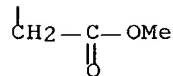


RN 326408-08-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
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pyridinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

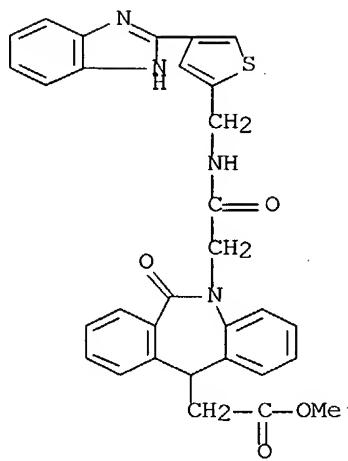
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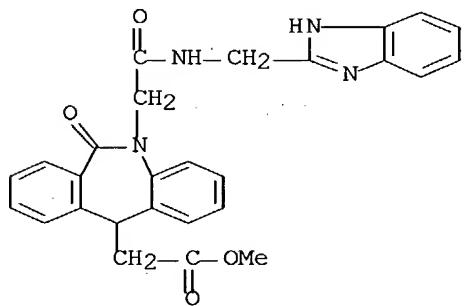


RN 326408-33-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
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thienyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)



RN 443331-29-1 CAPLUS

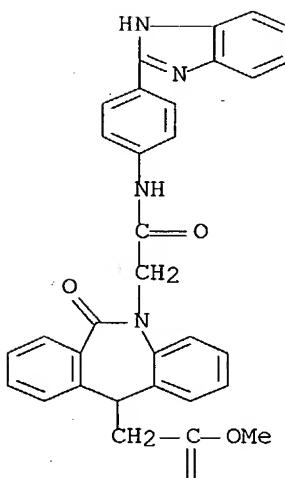
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 443331-31-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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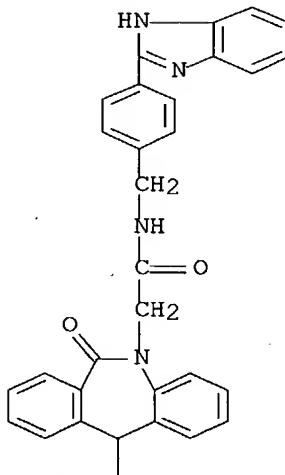
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II

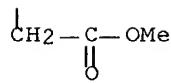
RN 443331-34-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

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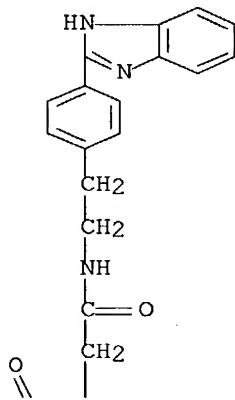


RN 443331-37-1 CAPLUS

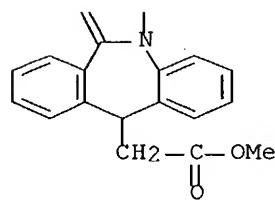
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)

(CA INDEX NAME)

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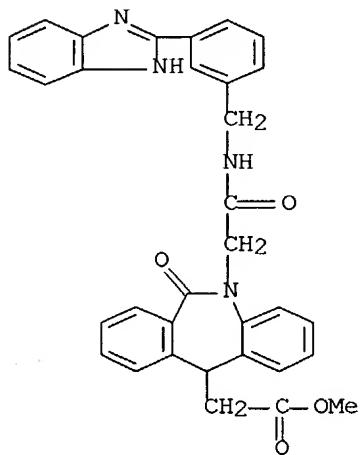


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RN 443331-42-8 CAPLUS

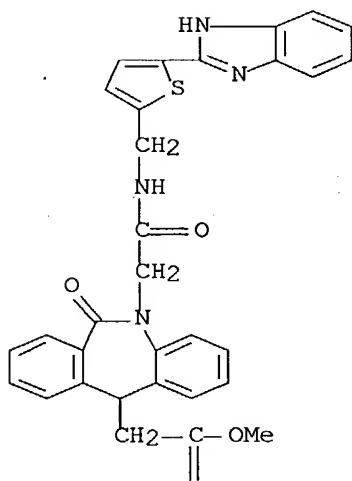
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[3-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)



RN 443331-47-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

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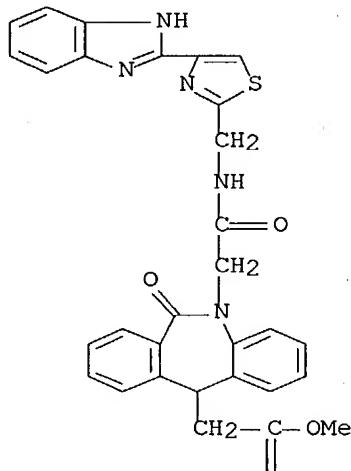


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II
O

RN 443331-50-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-
thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

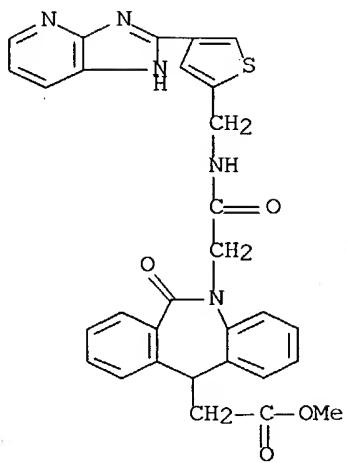
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II
O

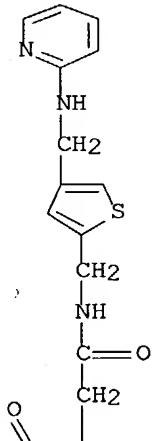
RN 443331-53-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-
imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-,
methyl ester (9CI) (CA INDEX NAME)



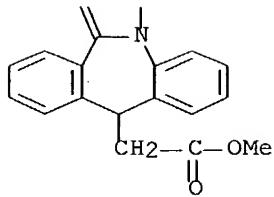
RN 443331-56-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[(2-pyridinylamino)methyl]-2-thienylmethyl]amino]ethyl]-, methyl ester
(9CI) (CA INDEX NAME)

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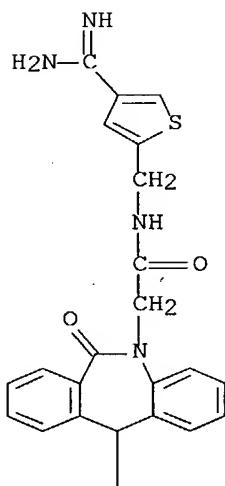
RN 443331-59-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester

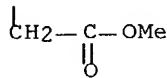
(9CI)

(CA INDEX NAME)

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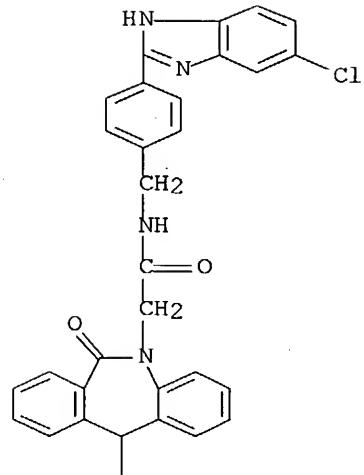


RN 443331-62-2 CAPLUS

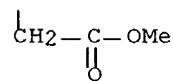
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester

(9CI) (CA INDEX NAME)

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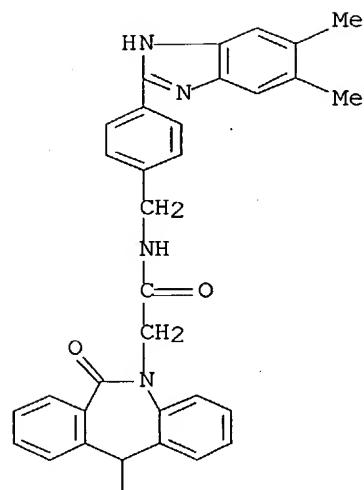
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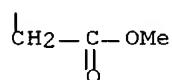
RN 443331-65-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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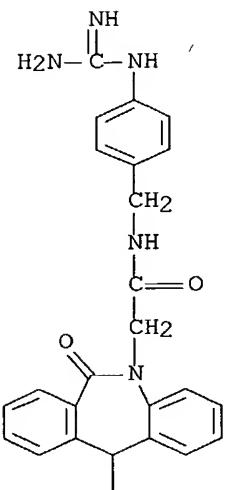
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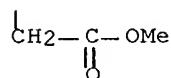
RN 443331-68-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
[(aminoiminomethyl)amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
6-
oxo-, methyl ester (9CI) (CA INDEX NAME)

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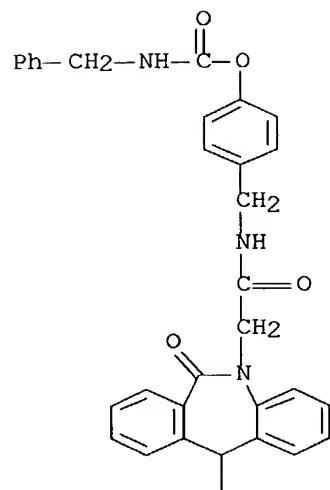
RN 443331-73-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

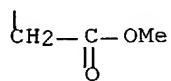
[[[4-

[[[(phenylmethyl)amino]carbonyloxy]phenyl]methyl]amino]ethyl]-, methyl
ester (9CI) (CA INDEX NAME)

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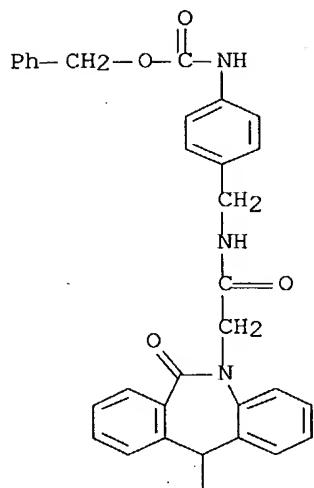
PAGE 2-A



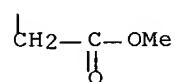
RN 443331-76-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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[[[(phenylmethoxy)carbonyl]amino]phenyl]methyl]amino]ethyl]-, methyl
ester
(9CI) (CA INDEX NAME)

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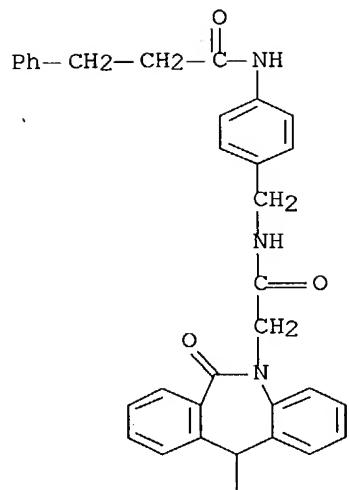


RN 443331-79-1 CAPLUS

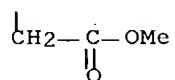
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-

[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]-, methyl ester
(9CI) (CA INDEX NAME)

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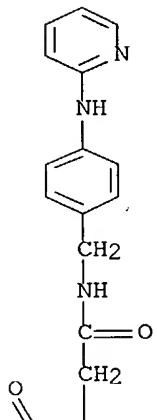
RN 443331-84-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

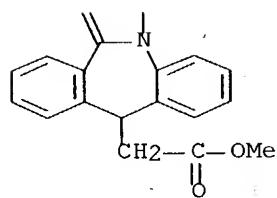
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(2-pyridinylamino)phenyl]methyl]amino]ethyl]-, methyl ester (9CI) (CA
INDEX NAME)

PAGE 1-A

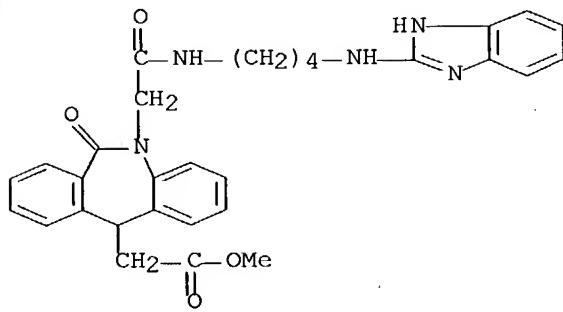


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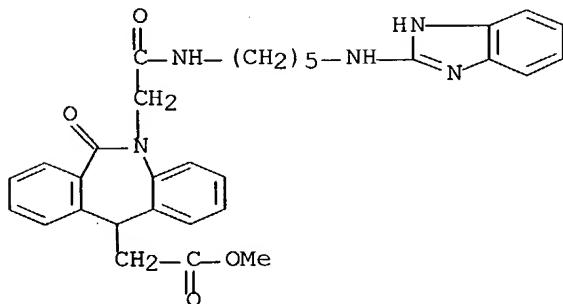
RN 443331-87-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI)
(CA INDEX NAME)



RN 443331-90-6 CAPLUS

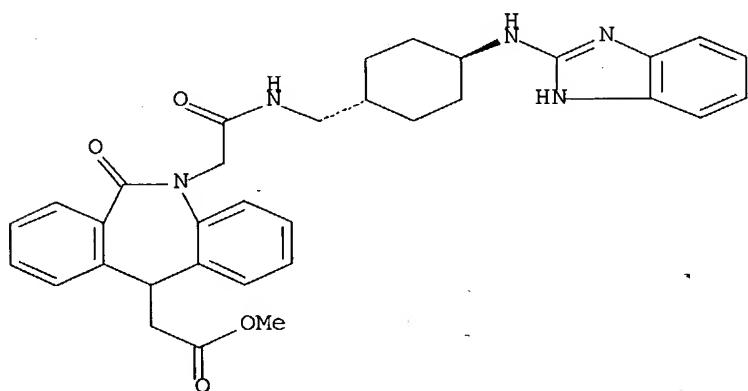
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(9CI)
(CA INDEX NAME)



RN 443331-93-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

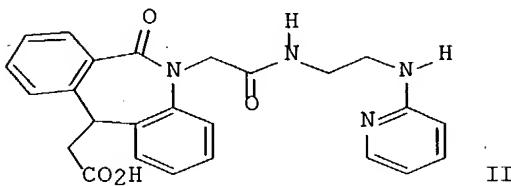
Relative stereochemistry.



RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:115130 CAPLUS Full-text
 DN 134:178474
 TI Preparation of oxobenzazepinealkanoates and analogs as integrin receptor antagonists
 IN Kling, Andreas; Geneste, Herve; Lange, Udo; Lauterbach, Arnulf; Graef, Claudia Isabella; Subkowski, Thomas; Holzenkamp, Uta; Mack, Helmut; Sadowski, Jens; Hornberger, Wilfried; Laux, Volker
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 158 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010847	A2	20010215	WO 2000-EP7440	20000801
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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	EP 1202988	A2	20020508	EP 2000-958347	20000801
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	NO 2002000644	A	20020318	NO 2002-644	20020208
PRAI	DE 1999-19936780	A	19990809		
	WO 2000-EP7440	W	20000801		
OS	MARPAT 134:178474				
GI					



AB RZZ1R1 [I; R = group contg, ≥ 1 non-H H-bonding atom; R1 = CO₂H, or group hydrolizable to CO₂H; Z = e.g., (hetero)annulated 2-oxo-1-benzazepin-

1,5-diyl; Z1 = bond, (un)substituted NHCH2, -OCH2, -alkylene, -CH:CH, etc.] were prepared. Thus, Me 11-methoxycarbonylmethyl-6-oxo-6,11-dihydro-5H-dibenz[b,e]azepine-5-acetate (preparation given) was amidated by N-(2-aminoethyl)pyridine-2-amine to give, after saponification, title compound II. Data for biol. activity of I were given.

IT 326398-79-2P 326398-84-9P 326398-90-7P
326399-01-3P 326399-07-9P 326399-11-5P
326399-17-1P 326399-23-9P 326399-27-3P
326399-31-9P 326399-36-4P 326399-42-2P
326399-47-7P 326399-52-4P 326399-64-8P
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326403-76-3P 326404-18-6P 326404-23-3P
326404-27-7P 326404-31-3P 326404-36-8P
326471-39-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

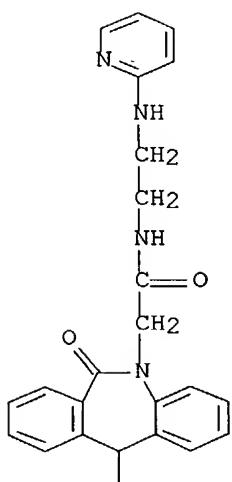
BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of oxobenzazepinealkanoates and analogs as integrin receptor

antagonists)

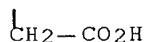
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[2-(2-pyridinylamino)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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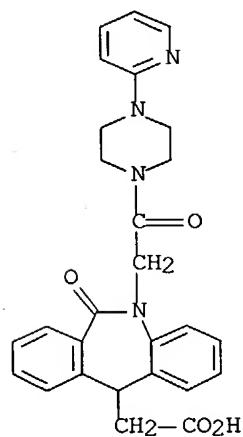


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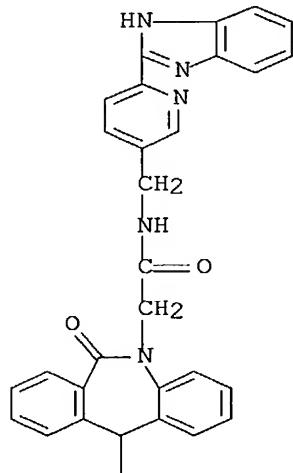
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



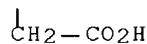
RN 326398-90-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
3-pyridinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
NAME)

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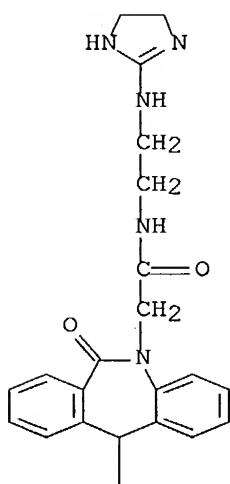


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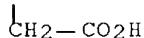


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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[(4,5-dihydro-1H-imidazol-2-yl)amino]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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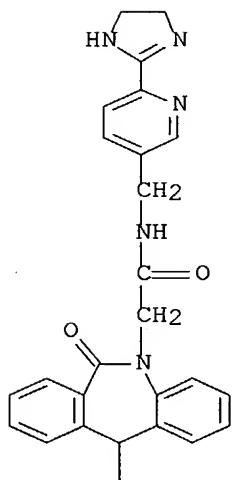


RN 326399-07-9 CAPLUS
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monoacetate
(9CI) (CA INDEX NAME)

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CRN 326399-06-8
CMF C27 H25 N5 O4

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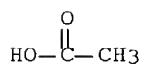


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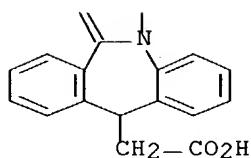
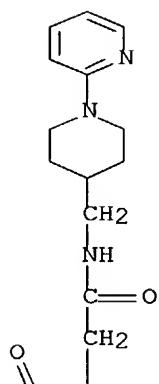


CM 2

CRN 64-19-7
CMF C2 H4 O2



RN 326399-11-5 CAPLUS
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[1-
 (2-pyridinyl)-4-piperidinyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)



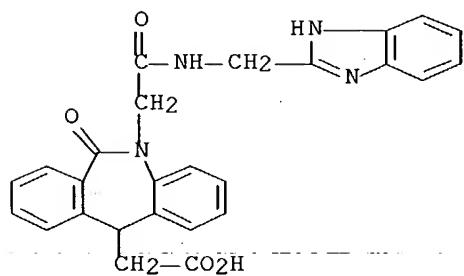
RN 326399-17-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

CM 1

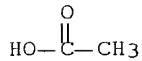
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CMF C26 H22 N4 O4



CM 2

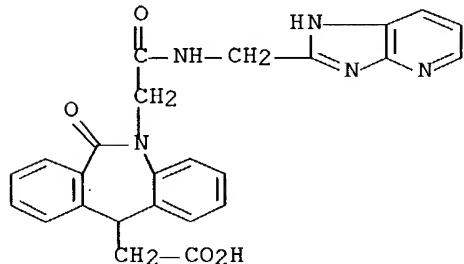
CRN 64-19-7
CMF C2 H4 O2



RN 326399-23-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1H-imidazo[4,5-b]pyridin-2-ylmethyl)amino]-2-oxoethyl]-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

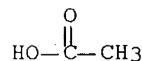
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CRN 326399-22-8
CMF C25 H21 N5 O4



CM 2

CRN 64-19-7
CMF C2 H4 O2

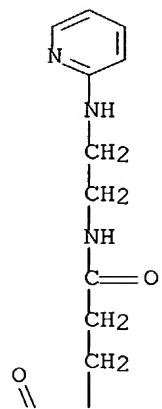


RN 326399-27-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[2-

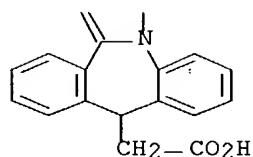
(2-

pyridinylamino)ethyl]amino]propyl]- (9CI) (CA INDEX NAME)

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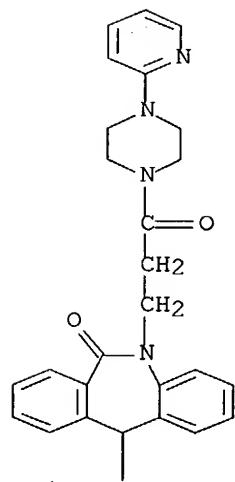
PAGE 2-A



RN 326399-31-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[4-(2-pyridinyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)

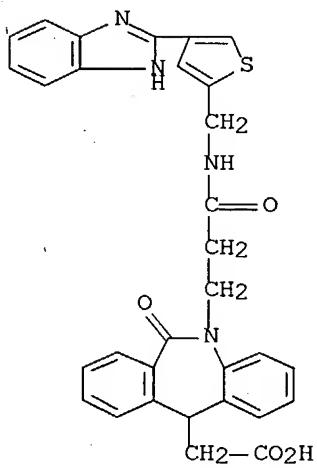
PAGE 1-A



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CH₂-CO₂H

RN 326399-36-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-3-oxopropyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

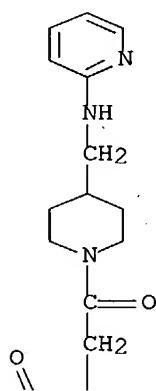


RN 326399-42-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-pyridinylamino)methyl]-1-piperidinyl]ethyl]-, monoacetate (9CI) (CA
INDEX
NAME)

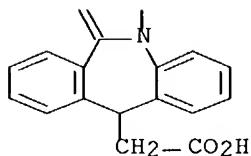
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CRN 326399-41-1
CMF C29 H30 N4 O4

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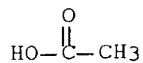


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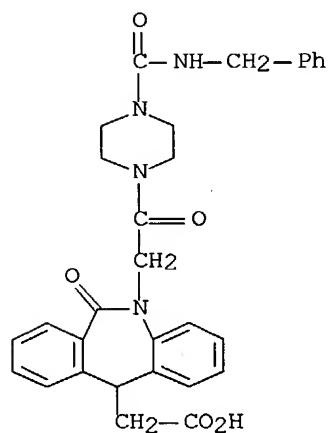
CM 2

CRN 64-19-7
CMF C2 H4 O2



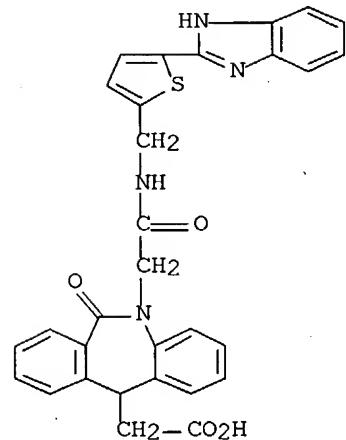
RN 326399-47-7 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl- (9CI) (CA INDEX NAME)



RN 326399-52-4 CAPLUS

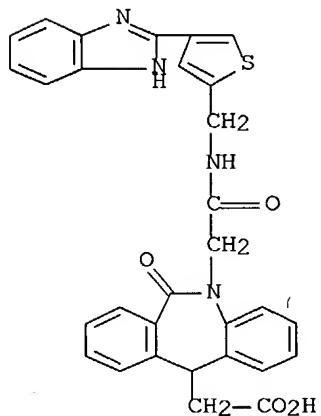
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-64-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

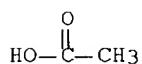
CM 1

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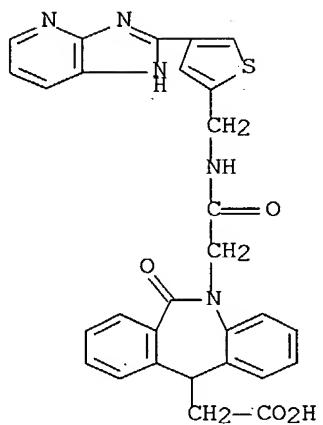


CM 2

CRN 64-19-7
CMF C2 H4 O2

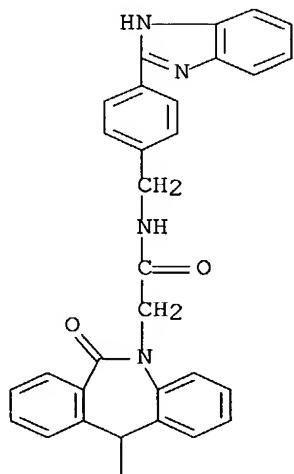


RN 326399-69-3 CAPLUS
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(9CI) (CA INDEX NAME)



RN 326399-73-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monohydrochloride
(9CI) (CA INDEX NAME)

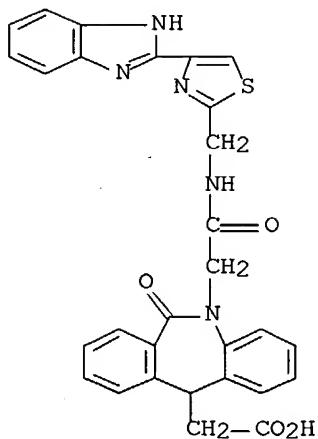
PAGE 1-A



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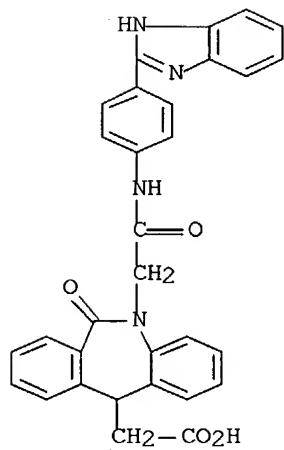
● HCl

RN 326399-78-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
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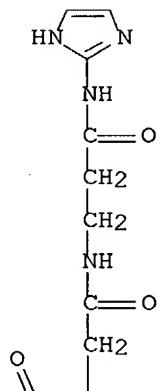
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yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

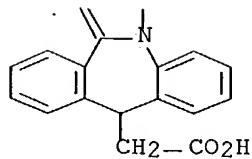


RN 326400-13-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

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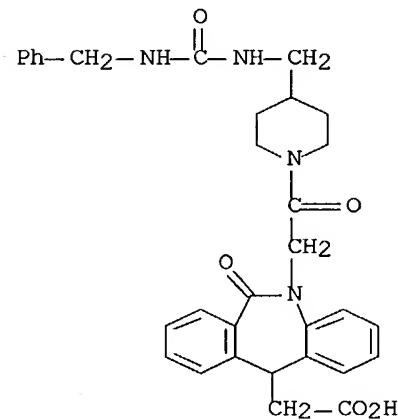




RN 326400-18-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[[(phenylmethyl)amino]carbonyl)amino]methyl]-1-piperidinyl]ethyl]- (9CI)

(CA INDEX NAME)

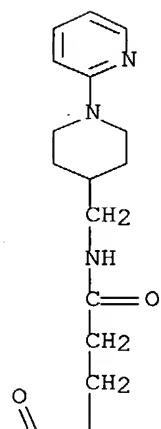


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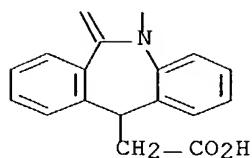
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[[1-(2-pyridinyl)-4-piperidinyl]methyl]amino]propyl]- (9CI)

(CA INDEX NAME)

PAGE 1-A



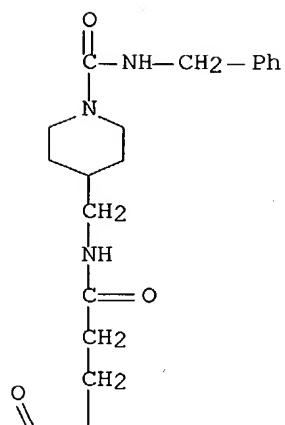
PAGE 2-A



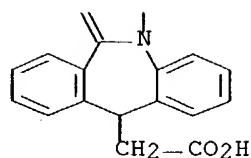
RN 326400-28-6 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-
[[1-
[[(phenylmethyl)amino]carbonyl]-4-piperidinyl]methyl]amino]propyl]-
(9CI)
(CA INDEX NAME)

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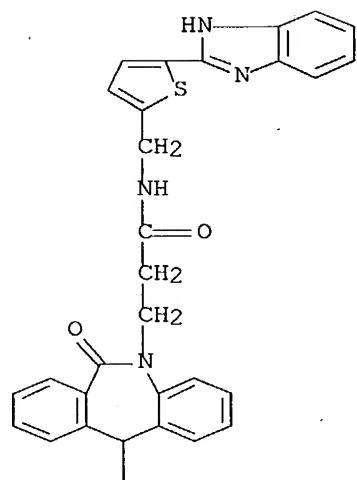


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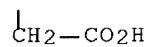


RN 326400-32-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-3-oxopropyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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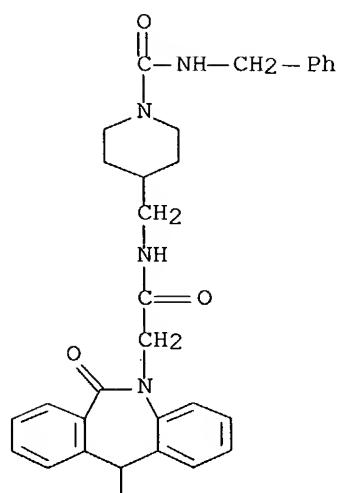
RN 326400-41-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

[[[1-

[(phenylmethyl)amino]carbonyl]-4-piperidinyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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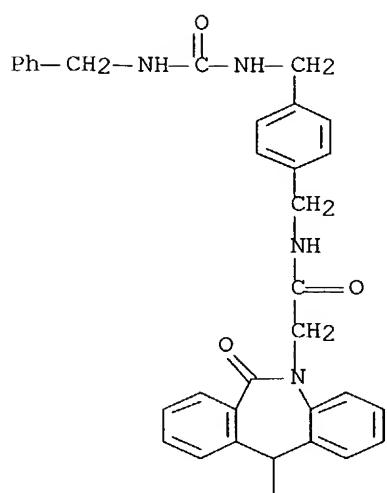
CH₂-CO₂H

RN 326400-45-7 CAPLUS

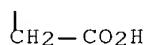
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-

[[[(phenylmethyl)amino]carbonyl]amino]methyl]phenyl]methyl]amino]ethyl]-
(9CI) (CA INDEX NAME)

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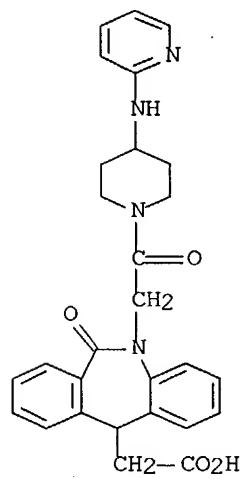


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RN 326400-50-4 CAPLUS

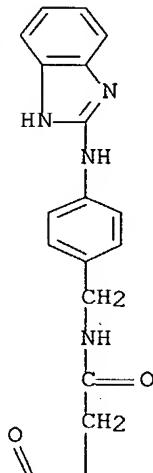
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-pyridinylamino)-1-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)



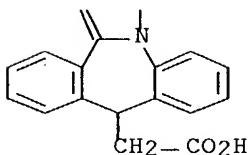
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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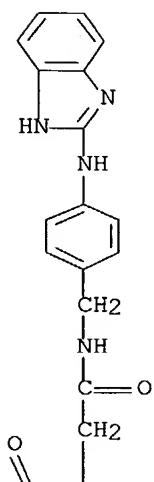
PAGE 2-A



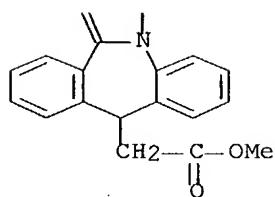
RN 326400-60-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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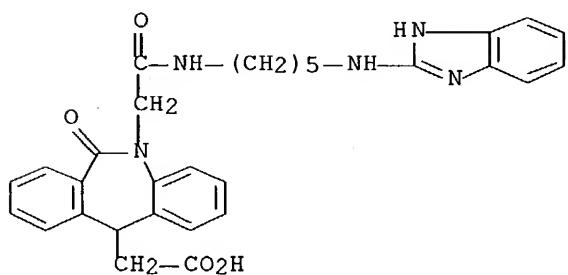


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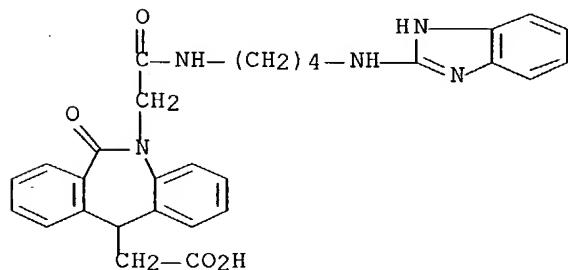
RN 326400-65-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(5-(1H-benzimidazol-2-ylamino)pentyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



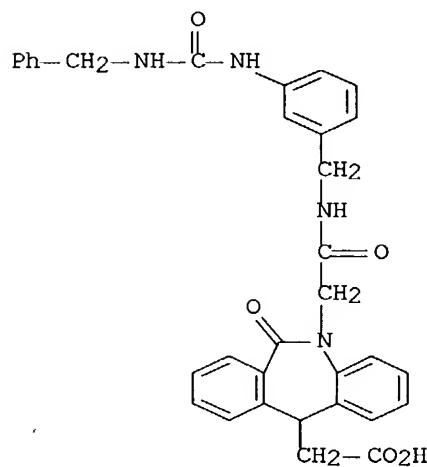
RN 326400-70-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-74-2 CAPLUS

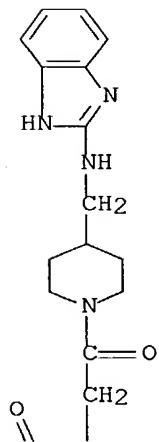
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)



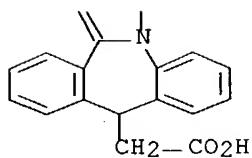
RN 326400-79-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-[(1H-benzimidazol-2-ylamino)methyl]-1-piperidinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI)
(CA INDEX NAME)

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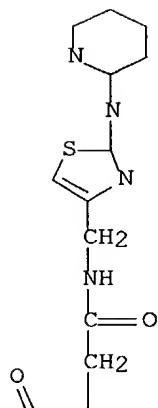
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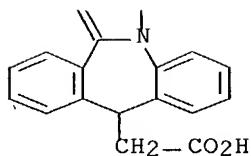
RN 326400-84-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-
(2-pyridinylamino)-4-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)

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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

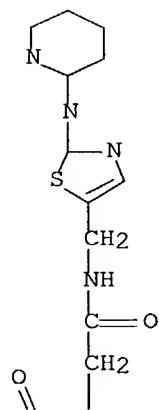
RN 326400-88-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

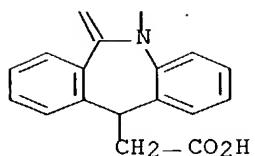
[[2-

(2-pyridinylamino)-5-thiazolylmethylamino]ethyl]- (9CI) (CA INDEX
NAME)

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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 326400-94-6 CAPLUS

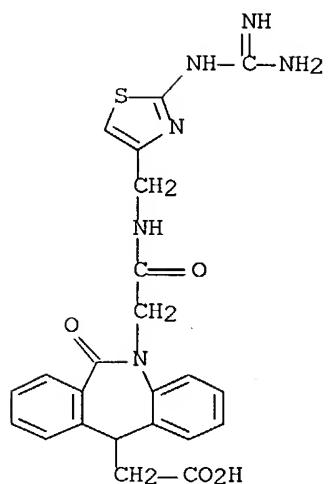
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
[(aminoiminomethyl)amino]-

4-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 326400-93-5

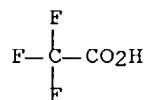
CMF C23 H22 N6 O4 S



CM 2

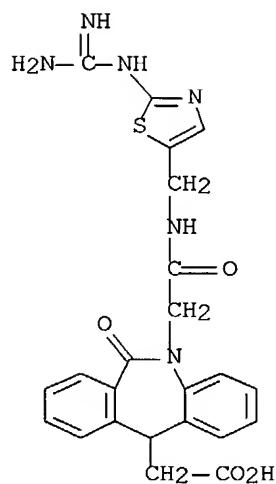
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CMF C2 H F3 O2



RN 326400-99-1 CAPLUS

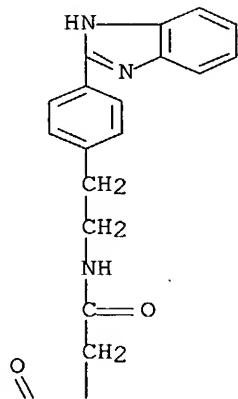
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
[(aminooiminomethyl)amino]-
5-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA
INDEX
NAME)



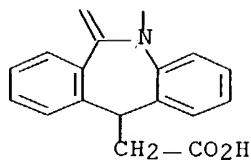
RN 326401-04-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[(4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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RN 326401-08-5 CAPLUS

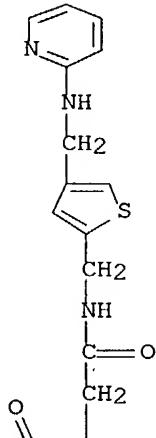
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[4-

[[(2-pyridinylamino)methyl]-2-thienylmethyl]aminoethyl]- (9CI) (CA

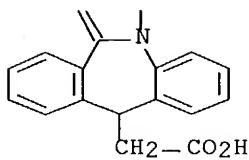
INDEX

NAME)

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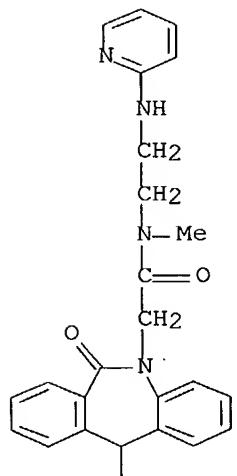
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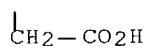
RN 326401-13-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(2-pyridinylamino)ethyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)

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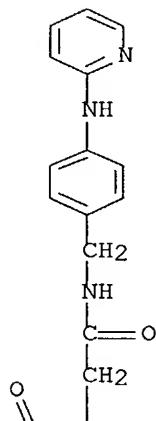
PAGE 2-A



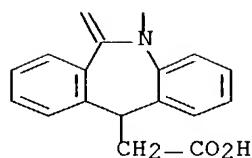
RN 326401-18-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
 (2-pyridinylamino)phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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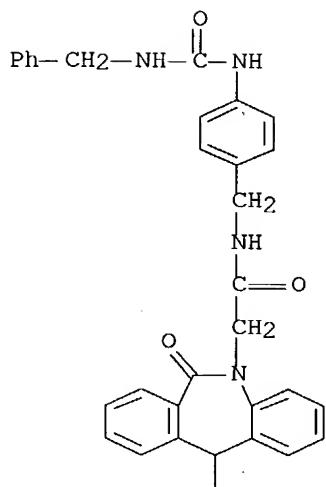
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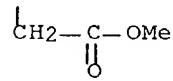
RN 326401-22-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
methyl
ester (9CI) (CA INDEX NAME)

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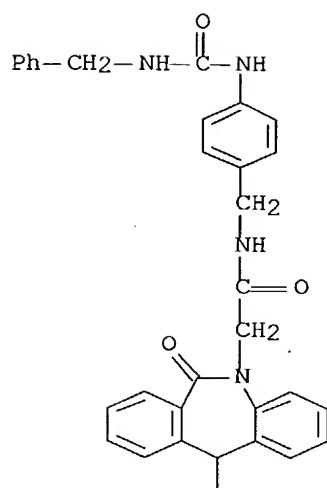
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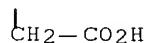
RN 326401-26-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

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RN 326401-32-5 CAPLUS

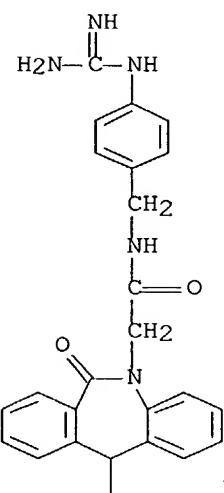
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
[(aminoiminomethyl)amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
6-
oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

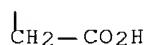
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CMF C26 H25 N5 O4

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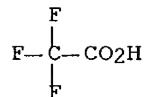


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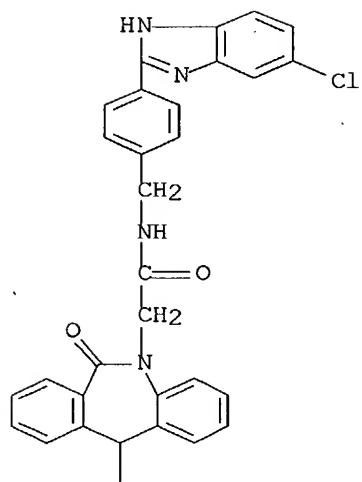
CM 2

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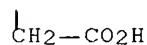


RN 326401-36-9 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

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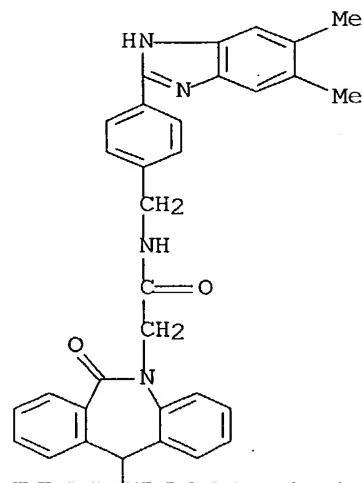
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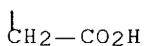
RN 326401-41-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

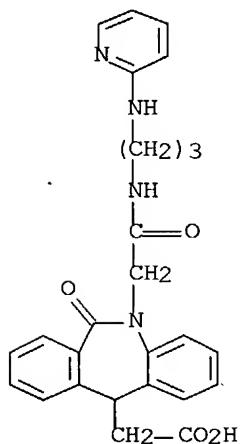
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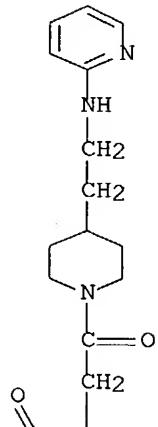


RN 326401-46-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-[2-pyridinylamino)propyl]amino]ethyl]- (9CI) (CA INDEX NAME)

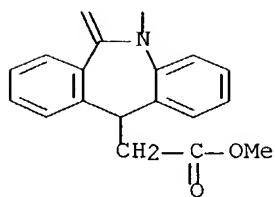


RN 326401-50-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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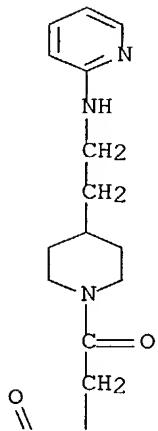
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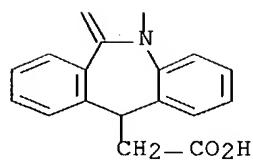
RN 326401-54-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)

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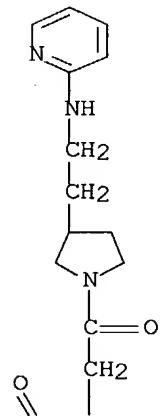
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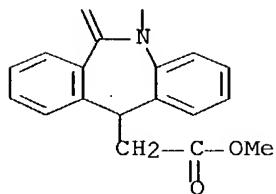
RN 326401-59-6 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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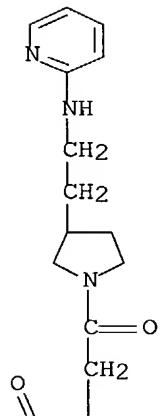


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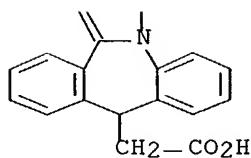


RN 326401-64-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-[2-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]- (9CI) (CA INDEX NAME)

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RN 326401-69-8 CAPLUS

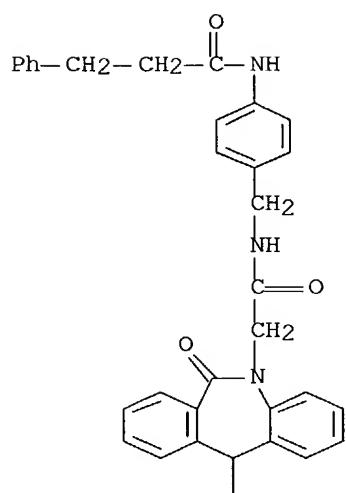
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-

[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]- (9CI) (CA

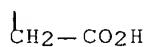
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NAME)

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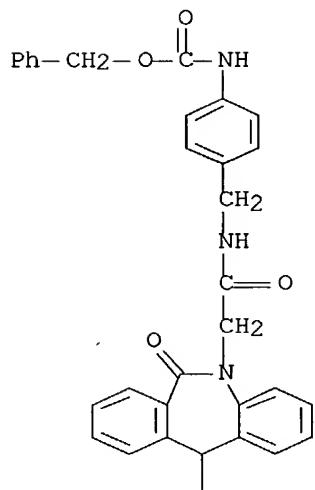
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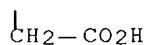
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[4-
[[(phenylmethoxy)carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA
INDEX NAME)

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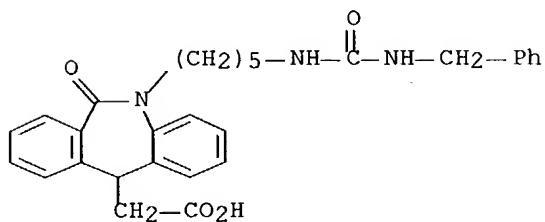


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RN 326401-82-5 CAPLUS

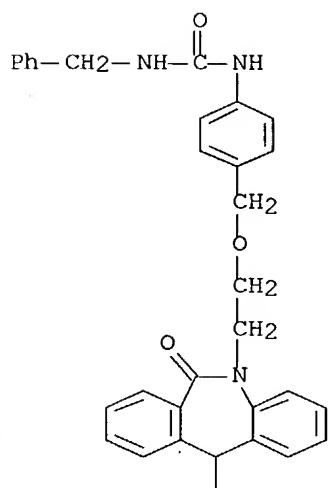
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[5-[[(phenylmethyl)amino]carbonyl]amino]pentyl]- (9CI) (CA INDEX NAME)



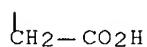
RN 326401-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[(4-[[(phenylmethyl)amino]carbonyl]amino]phenyl]methoxy]ethyl]- (9CI) (CA INDEX NAME)

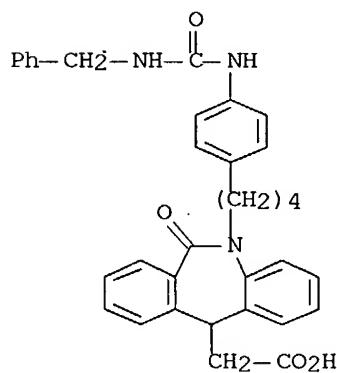
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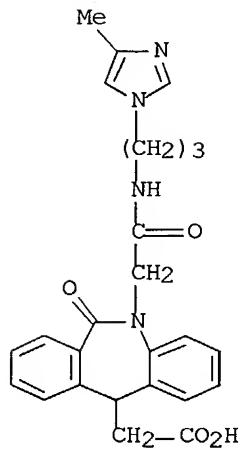


RN 326401-97-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[4-[4-
[[(phenylmethyl)amino]carbonyl]amino]phenyl]butyl]- (9CI) (CA INDEX
NAME)



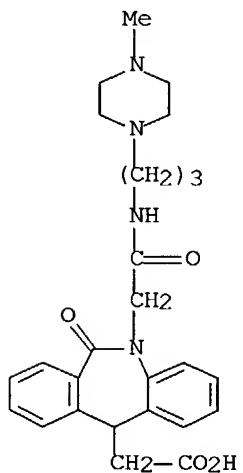
RN 326402-06-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-[(4-methyl-
1H-

imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



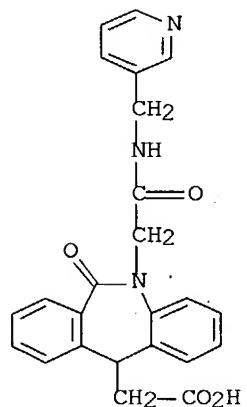
RN 326402-11-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(4-methyl-1-piperazinyl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



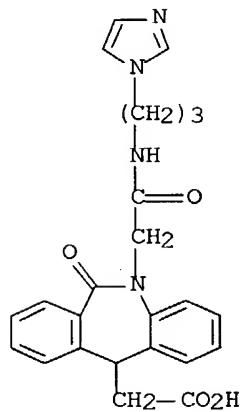
RN 326402-16-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(3-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



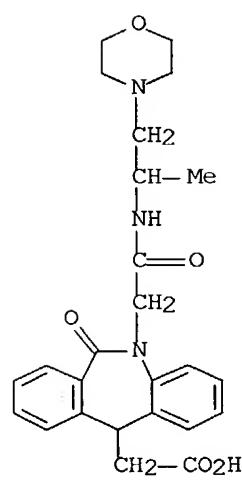
RN 326402-21-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



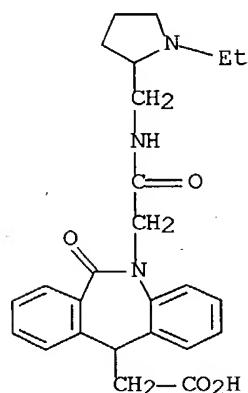
RN 326402-26-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[1-methyl-2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-31-7 CAPLUS

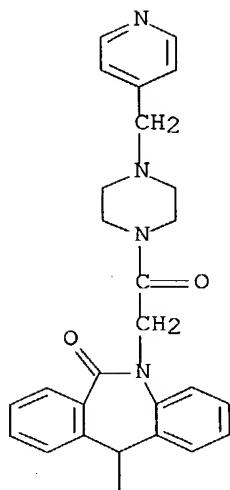
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1-ethyl-2-pyrrolidinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



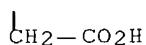
RN 326402-35-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-pyridinylmethyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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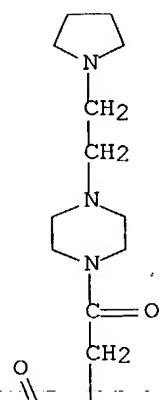
PAGE 2-A

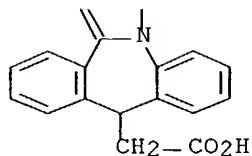


RN 326402-40-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

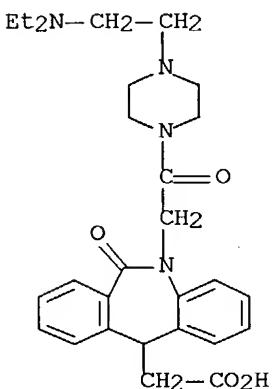
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RN 326402-44-2 CAPLUS

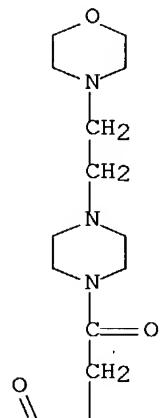
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-5H-dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-5H-dibenzo[b,e]azepine-11-one (9CI) (CA INDEX NAME)



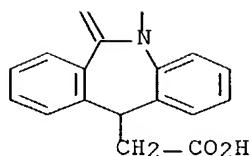
RN 326402-48-6 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[2-(morpholinyl)ethyl]-1-piperazinyl]-2-oxoethyl]-5H-dibenzo[b,e]azepine-11-one (9CI) (CA INDEX NAME)

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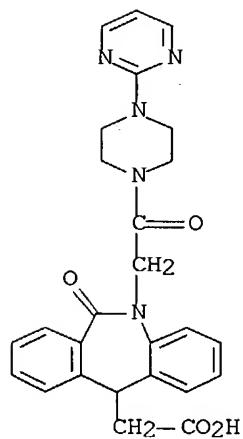


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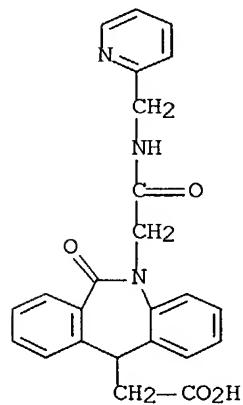
RN 326402-52-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyrimidinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



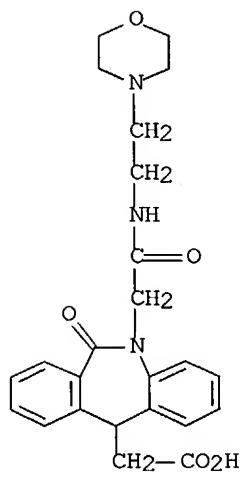
RN 326402-57-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



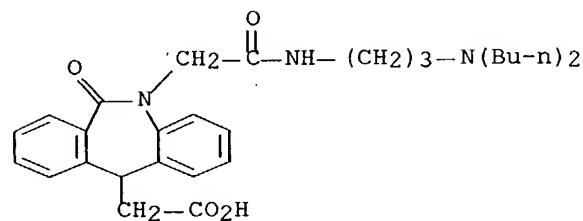
RN 326402-62-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(2-(4-morpholinyl)methyl)amino]ethyl]-2-oxoethyl-6-oxo- (9CI) (CA INDEX NAME)



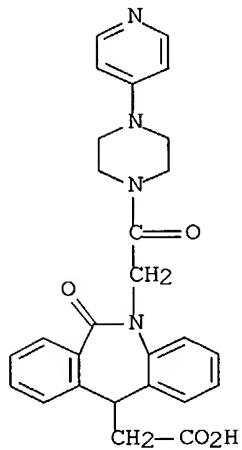
RN 326402-66-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(3-(dibutylamino)propyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-71-5 CAPLUS

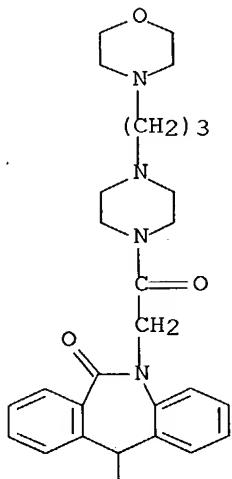
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-piperazinyl)pyridinyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-76-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[3-(4-morpholinyl)propyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

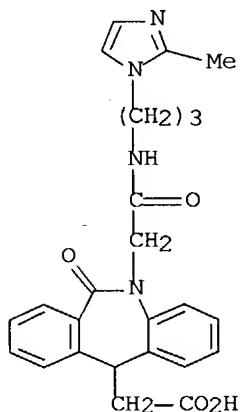
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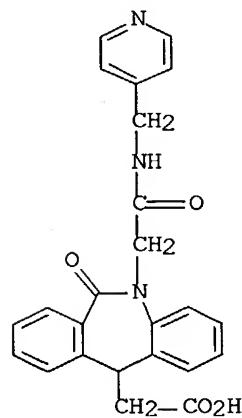
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CH₂-CO₂H

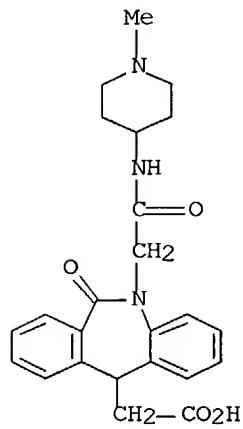
RN 326402-80-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(2-methyl-
1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-85-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(4-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

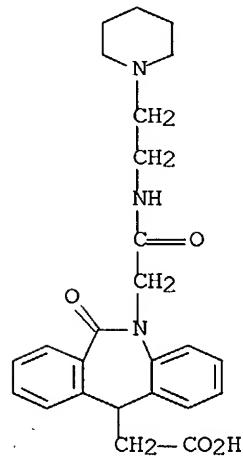


RN 326402-90-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1-methyl-4-piperidinyl)amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



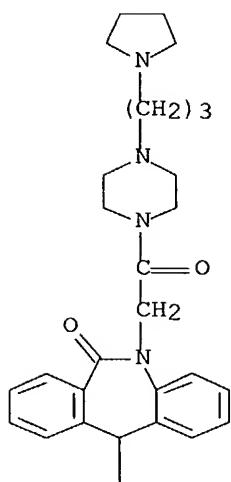
RN 326402-94-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-(1-

 piperidinyl)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

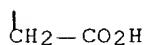


RN 326402-99-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[3-(1-pyrrolidinyl)propyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

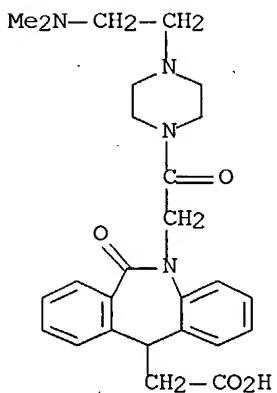
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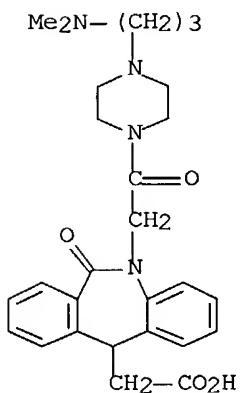
RN 326403-04-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dimethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-08-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dimethylamino)propyl]-

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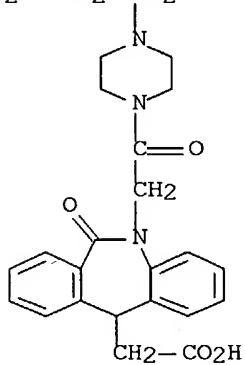
piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-13-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dipropylamino)ethyl]-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

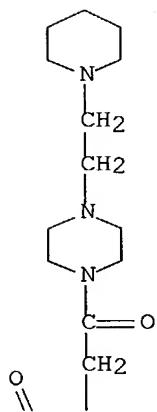
(n-Pr)₂N-CH₂-CH₂



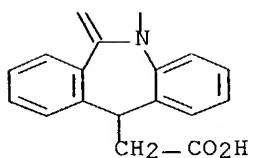
RN 326403-18-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(1-piperidinyl)ethyl]-1-piperazinyl]ethyl- (9CI) (CA INDEX NAME)

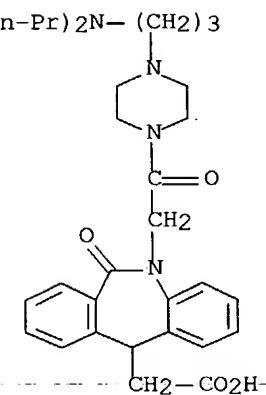
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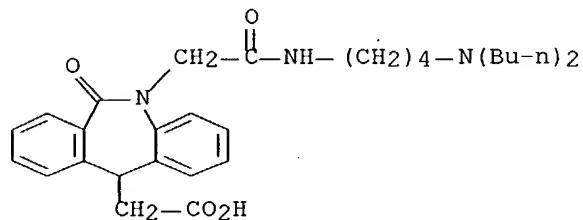
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RN 326403-22-9 CAPLUS
CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dipropylamino)propyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

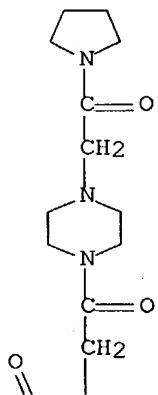


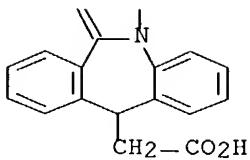
RN 326403-28-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dibutylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



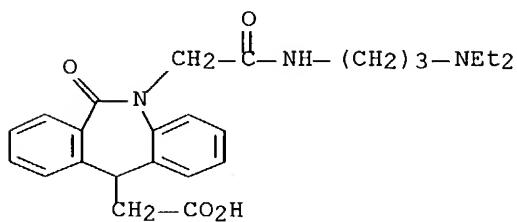
RN 326403-32-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-oxo-2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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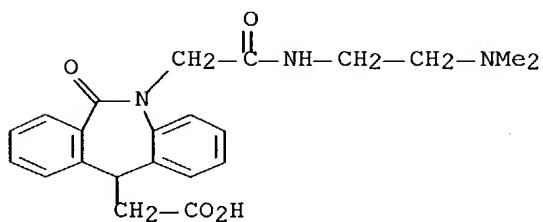




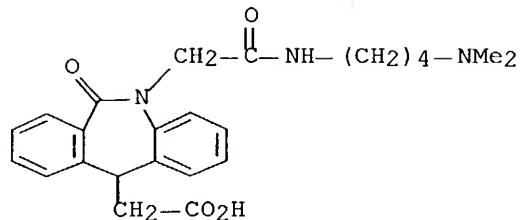
RN 326403-37-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(3-(diethylamino)propyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-42-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(2-(dimethylamino)ethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



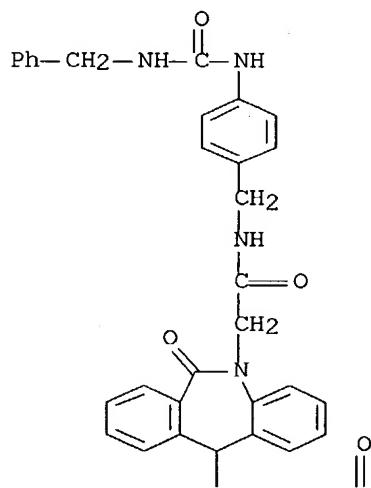
RN 326403-47-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(4-(dimethylamino)butyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



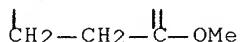
RN 326403-61-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

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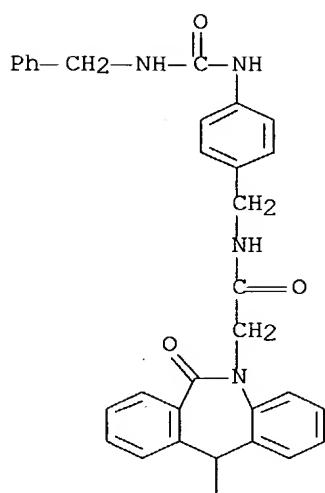
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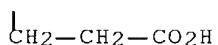
RN 326403-66-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[4-[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

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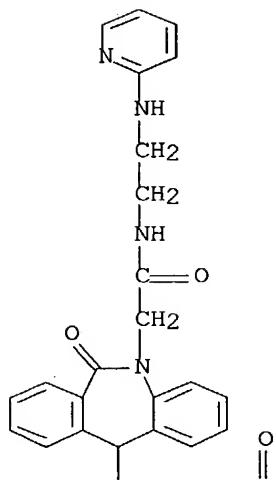
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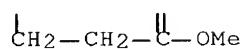
RN 326403-71-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[12-
(2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX
NAME)

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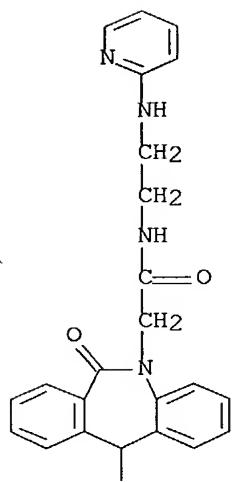
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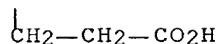
RN 326403-76-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[2-
(2-pyridinylamino)ethyl]amino]ethyl]-, monosodium salt (9CI) (CA INDEX
NAME)

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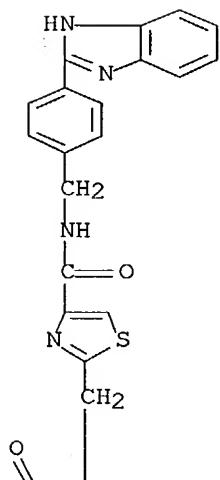


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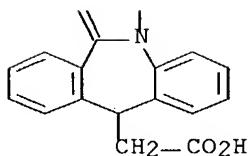
RN 326404-18-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[4-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-
(9CI) (CA INDEX NAME)

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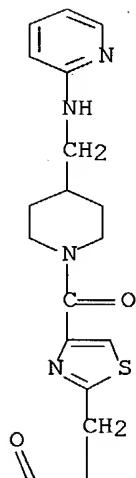
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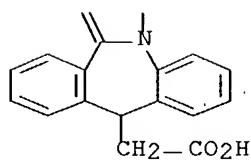
RN 326404-23-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[(4-[(4-[(2-pyridinylamino)methyl]-1-piperidinyl]carbonyl)-2-thiazolyl]methyl]-
(9CI)
(CA INDEX NAME)

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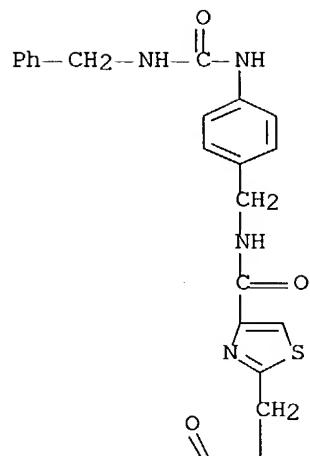
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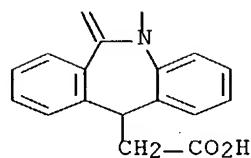
RN 326404-27-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



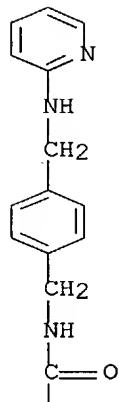
PAGE 2-A



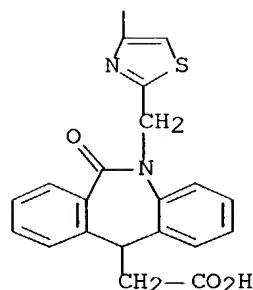
RN 326404-31-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[[[[4-[
[(2-
pyridinylamino)methyl]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-
(9CI) (CA INDEX NAME)

PAGE 1-A



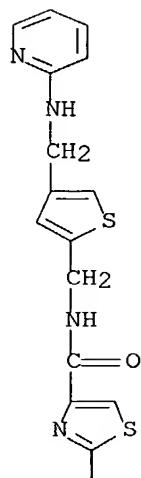
PAGE 2-A



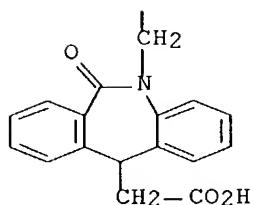
RN 326404-36-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[(2-pyridinylamino)methyl]-2-thienylmethyl]amino]carbonyl]-2-thiazolylmethyl- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



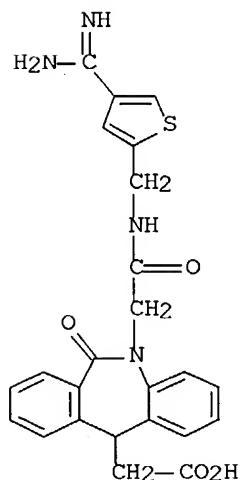
RN 326471-39-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

CM 1

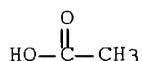
CRN 326471-38-9

CMF C24 H22 N4 O4 S



CM 2

CRN 64-19-7
 CMF C₂ H₄ O₂



IT 326407-99-2P 326408-04-2P 326408-08-6P
 326408-13-3P 326408-23-5P 326408-28-0P
 326408-33-7P 326408-41-7P 326408-46-2P
 326408-54-2P 326410-02-0P 326410-07-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT

(Reactant or reagent)
 (preparation of oxobenzazepinealkanoates and analogs as integrin
 receptor

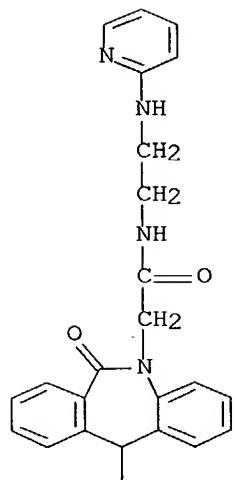
antagonists)

RN 326407-99-2 CAPLUS

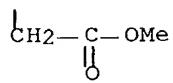
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-
 (2-

pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

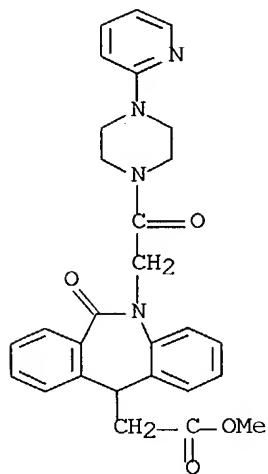


PAGE 2-A



RN 326408-04-2 CAPLUS

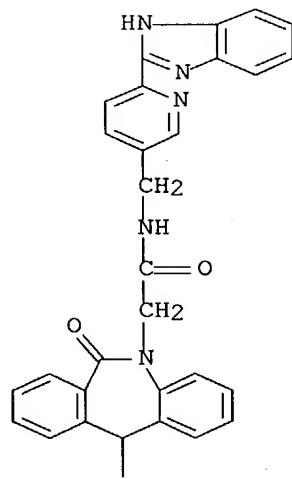
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

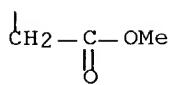


RN 326408-08-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

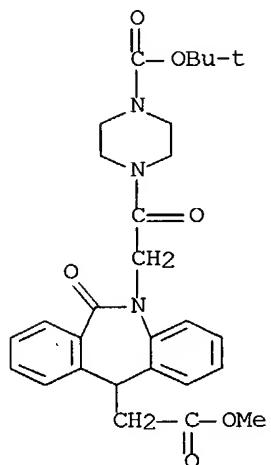
PAGE 1-A





RN 326408-13-3 CAPLUS

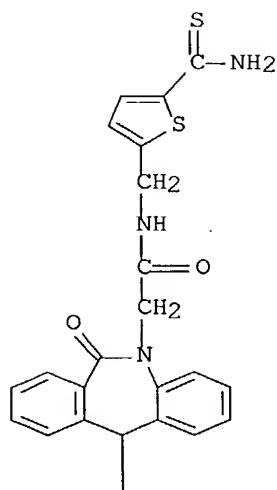
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



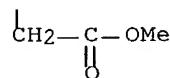
RN 326408-23-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminothioxomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



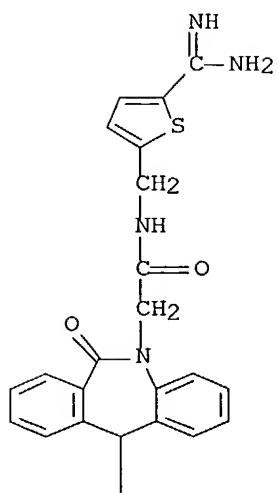
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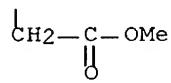
RN 326408-28-0 CAPLUS

CN 5H-Dibenzo[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminoiminomethyl)-2-thienyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)
(CA INDEX NAME)

PAGE 1-A

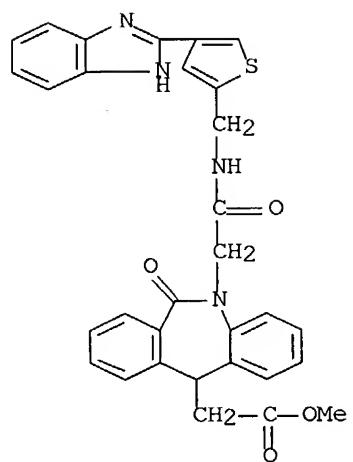


PAGE 2-A



RN 326408-33-7 CAPLUS

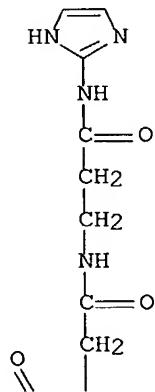
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-
thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)
(CA INDEX NAME)



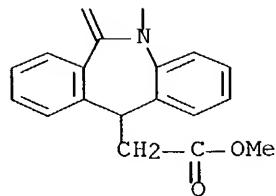
RN 326408-41-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

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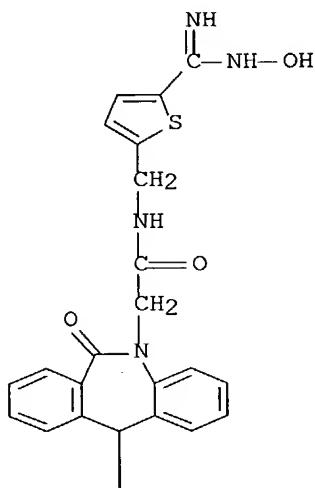
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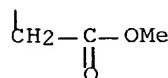
RN 326408-46-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[5-(hydroxyamino)iminomethyl]-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

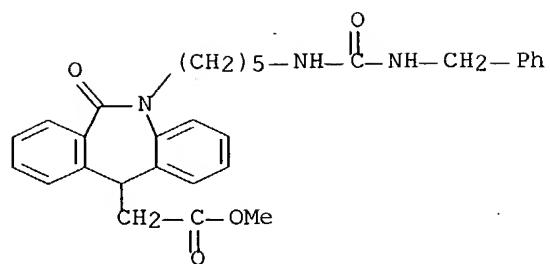


PAGE 2-A



RN 326408-54-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[[(phenylmethyl)amino]carbonyl]amino]pentyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 326410-02-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-(1-piperazinyl)ethyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA)

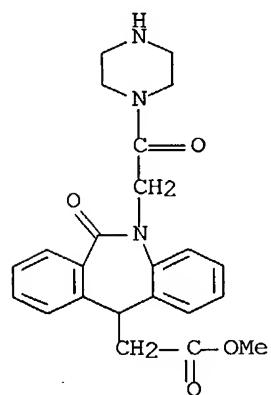
INDEX

NAME)

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CRN 326410-01-9

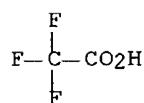
CMF C23 H25 N3 O4



CM 2

CRN 76-05-1

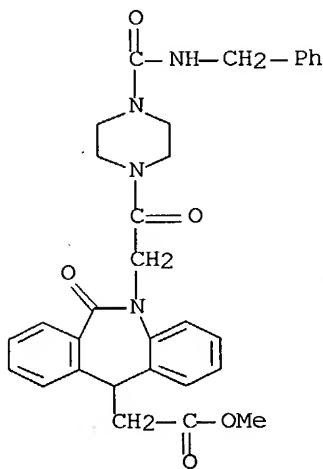
CMF C2 H F3 O2



RN 326410-07-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl-, methyl ester
(9CI)

(CA INDEX NAME)



L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:632774 CAPLUS Full-text

DN 111:232774

TI Preparation of tricyclic lactams and analogs as muscarinic antagonists

IN Turconi, Marco; Donetti, Arturo; Cereda, Enzo; Quintero, Myrna Gil;
Schiavi, Giovanni Battista; Micheletti, Rosamaria

PA Istituto De Angeli S.p.A., Italy

SO Eur. Pat. Appl., 46 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 309422	A2	19890329	EP 1988-830374	19880919
	EP 309422	A3	19900110		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE DD 282689 DK 8805226 FI 8804305 NO 8804174 JP 01132567 AU 8822380	A5	19900919	DD 1988-319831 DK 1988-5226 FI 1988-4305 NO 1988-4174 JP 1988-236178 AU 1988-22380	19880915 19880920 19880920 19880920 19880920 19880921
PRAI	IT 1987-21978	A	19870921		

OS MARPAT 111:232774

GI For diagram(s), see printed CA Issue.

AB Title compds. I [R = H, halo; X = N, CH; W = NHCO, CH:CH, (CH₂)₂, O, S; R₁ = H, C₁₋₄ alkyl; n = 0, 1; Y = S, CH; A = C, N; B = CH when A ≠ N, CO₂, CO, CH₂; m = 0-3; Z = NH, CO, CO₂, CH, bond; p,q = 0, 1; Q = (homo)piperazinyl, piperidinyl, tropyl, tetrahydroprimidinyl, the above groups may be substituted by a C₁₋₄ alkyl or an amino; R = CR₂:NR₃; R₂ = H, C₁₋₄ alkyl, (C₁₋₄ alkyl- or Ph-substituted) amino; R₃ = C₁₋₈ alkyl, H (provided that the bond of QR is a C-C bond or AB = C:CH); R₂R₃ = atoms to form a 5-membered ring] are prepared for treatment of motility disorders of the gastrointestinal or urogenital tract and peptic ulcer disorders. A mixture of 5,10-dihydro-5-[2-piperazin-1-yl]acetyl]-11H-dibenzo[b,e][1,4]-diazepin-11-one and H₂NC(:NH)SMe.H₂SO₄ in EtOH was refluxed to give the 4-guanylpirazinyl analog isolated as its 2 HCl salt. The latter salt showed a dissociation constant (kD) of 6 nM for displacement of ³H-pirenzepine from cerebral cortex homogenate of rats. Tablets were formulated containing I 20, lactose 247, cornstarch 30, and Mg stearate 3 mg.

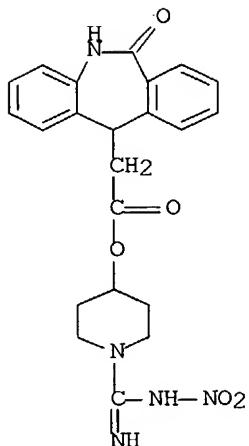
IT 122860-50-8P 122860-58-6P 122860-66-6P

122860-68-8P 122882-85-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reaction of, in preparation of muscarinic antagonists)

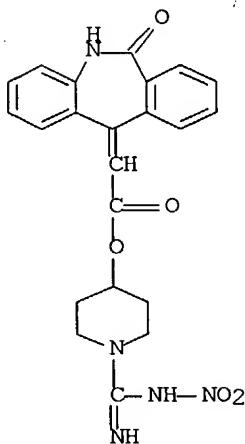
RN 122860-50-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, 1-[imino(nitroamino)methyl]-4-piperidinyl ester (9CI) (CA INDEX NAME)



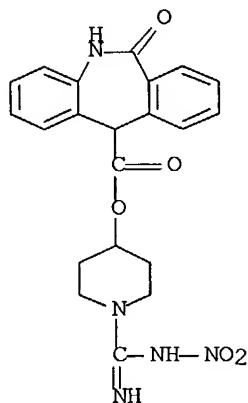
RN 122860-58-6 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, 1-[imino(nitroamino)methyl]-4-piperidinyl ester (9CI) (CA INDEX NAME)



RN 122860-66-6 CAPLUS

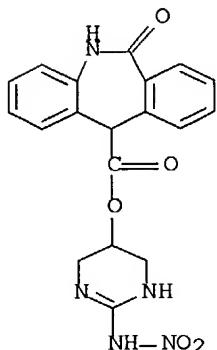
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-[imino(nitroamino)methyl]-4-piperidinyl ester (9CI) (CA INDEX NAME)



RN 122860-68-8 CAPLUS

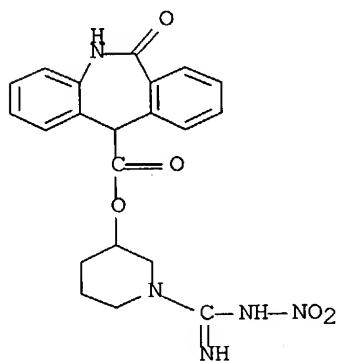
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,

1,4,5,6-tetrahydro-2-(nitroamino)-5-pyrimidinyl ester (9CI) (CA INDEX NAME)



RN 122882-85-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-[imino(nitroamino)methyl]-3-piperidinyl ester (9CI) (CA INDEX NAME)



IT 122882-58-0P 122882-61-5P 122882-62-6P

122882-63-7P 122882-64-8P 122882-66-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as muscarinic antagonist)

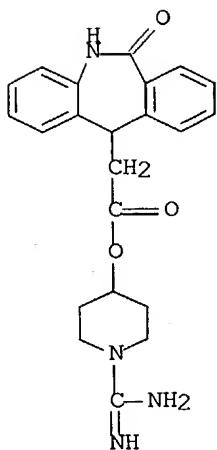
RN 122882-58-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, 1-(aminoiminomethyl)-4-piperidinyl ester, monoformate (9CI) (CA INDEX NAME)

CM 1

CRN 122882-57-9

CMF C22 H24 N4 O3



CM 2

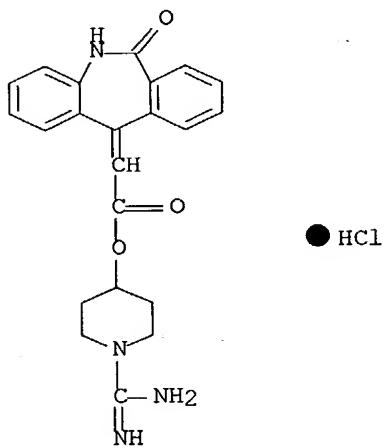
CRN 64-18-6

CMF C H2 O2

O=CH-OH

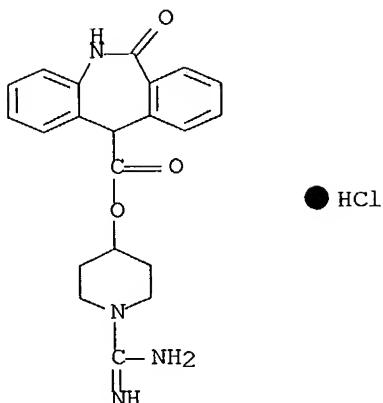
RN 122882-61-5 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, 1-(aminoiminomethyl)-4-piperidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)



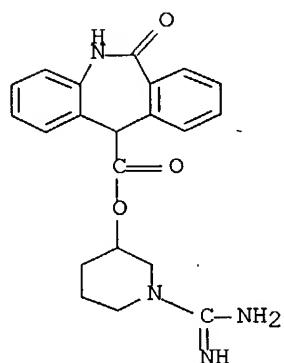
RN 122882-62-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-(aminoiminomethyl)-4-piperidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)



RN 122882-63-7 CAPLUS

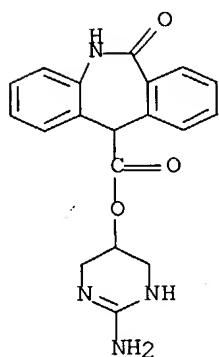
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
1-(aminoiminomethyl)-3-piperidinyl ester, monohydrochloride (9CI) (CA
INDEX NAME)



● HCl

RN 122882-64-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
2-amino-1,4,5,6-tetrahydro-5-pyrimidinyl ester, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

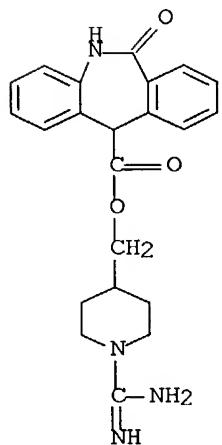
RN 122882-66-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
[1-(aminoiminomethyl)-4-piperidinyl]methyl ester, monoformate (9CI) (CA
INDEX NAME)

CM 1

CRN 122882-65-9

CMF C22 H24 N4 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1987:4907 CAPLUS Full-text

DN 106:4907

TI Preparation of morphanthridine analogs as pharmaceuticals

IN Senda, Shigeo; Ueda, Takashi; Nakagawa, Kazuyuki

PA Otsuka Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61167663	A2	19860729	JP 1985-7854	19850118
	JP 06065664	B4	19940824		
PRAI	JP 1985-7854		19850118		

GI



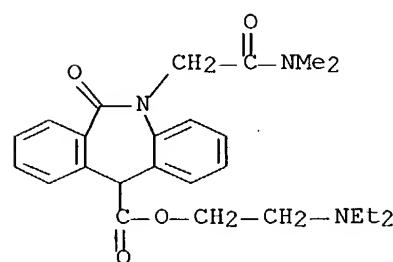
AB Analogs of morphanthridine (I) are prepared and are useful in the treatment of arrhythmia, inflammation, diuresis, and ulcer. Thus, I was prepared by treating 5-methyl-11-carboxy-6-oxomorphanthridine first with thionyl chloride and then with diethylaminoethanol. Thirty-four I analogs were prepared. The inhibitory actions of I analogs on gastric acid secretion were demonstrated. No other pharmacol. studies were described.

IT 105671-18-9P 105671-33-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pharmaceutical)

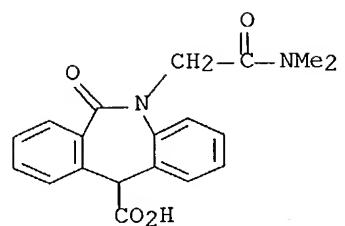
RN 105671-18-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 5-[2-(dimethylamino)-2-oxoethyl]-6,11-dihydro-6-oxo-, 2-(diethylamino)ethyl ester (9CI) (CA INDEX NAME)



RN 105671-33-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 5-[2-(dimethylamino)-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1984:103199 CAPLUS Full-text

DN 100:103199

TI 5,6-Dihydro-11-alkylenemorphanthridin-6-ones and a drug containing them

IN Steiner, Gerd; Friedrich, Ludwig; Lenke, Dieter

PA BASF A.-G., Fed. Rep. Ger.

SO Ger. Offen., 18 pp.

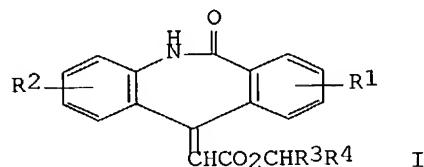
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

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PI	DE 3212794	A1	19831013	DE 1982-3212794	19820406
	CA 1215046	A1	19861209	CA 1983-424134	19830322
	EP 91057	A2	19831012	EP 1983-103054	19830328
	EP 91057	A3	19840502		
	EP 91057	B1	19860611		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 20345	E	19860615	AT 1983-103054	19830328
	JP 58192871	A2	19831110	JP 1983-58804	19830405
	US 4477451	A	19841016	US 1983-482004	19830405
PRAI	DE 1982-3212794	A	19820406		
	EP 1983-103054	A	19830328		
OS	CASREACT 100:103199				
GI					



I



II

AB Morphanthridinones I [R1,R2 = H, halo, C1-3 alkyl, CF3; R3 = C2-4 aminoalkyl, N (un)substituted with C1-3 alkyl or may complete a 5- to 7-membered saturated ring, optionally having N, O, or S atom as further heteroatom or CO group; R4 = H; R3R4 complete a 5- to 7-membered ring, C1-3 alkyl (un)substituted, optionally having CH2 or (CH2)2 bridge or a N atom alkyl (un)substituted or N-oxide], useful in treating gastric or duodenal ulcers (no data), were prepared. A mixture of cis- and trans-11-(carbomethoxymethylene)-5,6-dihydromorphanthridin-6-one was saponified with 10% aqueous alc. NaOH to give 94% of the free acids which were converted to 99% of the acid chlorides with SOCl2. Esterification of the acid chlorides with 4-(2-hydroxyethyl)morpholine gave 66% cis- and trans-II.

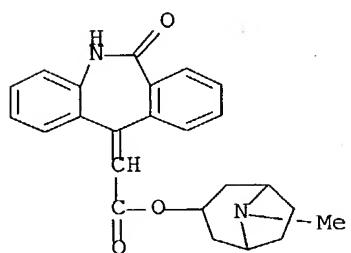
IT 88695-66-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation as ulcer inhibitor)

RN 88695-66-3 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-,

8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)



=> d 11; d 12; d his; log y

L1 HAS NO ANSWERS

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L2 HAS NO ANSWERS

L2 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

(FILE 'STNGUIDE' ENTERED AT 18:52:38 ON 06 JAN 2005)

DEL HIS Y

FILE 'REGISTRY' ENTERED AT 18:59:17 ON 06 JAN 2005

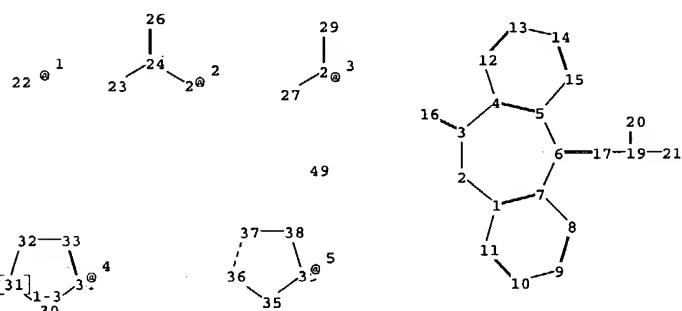
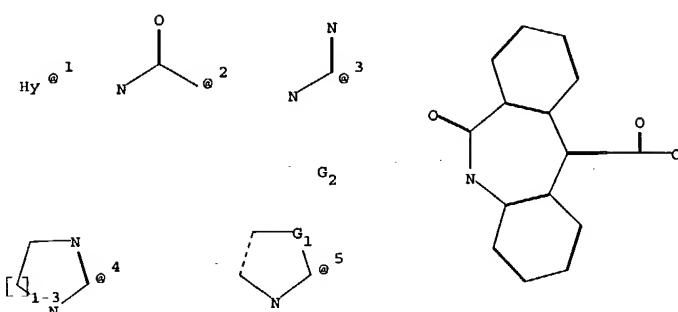
L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 1 S L1
L4 4 S L2
L5 4 S L1 OR L2
L6 193 S L1 OR L2 FUL

FILE 'CAPLUS' ENTERED AT 19:02:50 ON 06 JAN 2005

L7 6 S L6

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	30.09	280.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.38	-4.38

STN INTERNATIONAL LOGOFF AT 19:03:39 ON 06 JAN 2005



ain nodes :
16 17 19 20 21 22 24 25 26 28 29 49

ng nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 30 31 32 33 34 35 36 37 38 39

ng/chain nodes :

23 27

ain bonds :

3-16 6-17 17-19 19-20 19-21 23-24 24-25 24-26 27-28 28-29

ng bonds :

1-2 1-7 1-11 2-3 3-4 4-5 4-12 5-6 5-15 6-7 7-8 8-9 9-10 10-11 12-13 13-14

14-15 30-31 30-34 31-32 32-33 33-34 35-36 35-39 35-37 36-38 37-38 38-39

act/norm bonds :

1-2 2-3 3-4 3-16 5-6 6-7 6-17 17-19 19-20 19-21 23-24 24-25 24-26 27-28 28-29

30-31 30-34 31-32 32-33 33-34 35-36 35-39 36-37 37-38 38-39

rmalized bonds :

1-7 1-11 4-5 4-12 5-15 7-8 8-9 9-10 10-11 12-13 13-14 14-15

:C,O

:[*1],[*2],[*3],[*4],[*5]

tch level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom

12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 19:CLASS 20:CLASS 21:CLASS

22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom

31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 49:CLASS

neric attributes :

22:

Saturation : Unsaturated

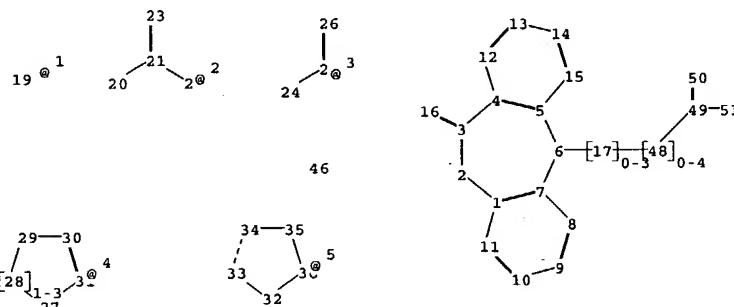
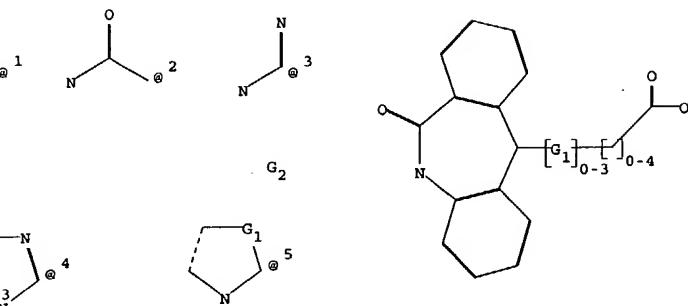
Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

ement Count :

L 2



n nodes :
 16 17 19 21 22 23 25 26 46 48 49 50 51
 g nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 27 28 29 30 31 32 33 34 35 36
 g/chain nodes :
 20 24
 n bonds :
 3-16 6-17 17-48 20-21 21-22 21-23 24-25 25-26 48-49 49-50 49-51
 g bonds :
 1-2 1-7 1-11 2-3 3-4 4-5 4-12 5-6 5-15 6-7 7-8 8-9 9-10 10-11 12-13 13-14
 14-15 27-28 27-31 28-29 29-30 30-31 32-33 32-36 33-34 34-35 35-36
 ct/norm bonds :
 1-2 2-3 3-4 3-16 5-6 6-7 6-17 17-48 20-21 21-22 21-23 24-25 25-26 27-28 27-31
 28-29 29-30 30-31 32-33 32-36 33-34 34-35 35-36 48-49 49-50 49-51
 n alized bonds :
 1-7 1-11 4-5 4-12 5-15 7-8 8-9 9-10 10-11 12-13 13-14 14-15

C, O
 [*1], [*2], [*3], [*4], [*5]

ch level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:Atom 19:Atom 20:CLASS 21:CLASS
 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 46:CLASS 48:CLASS 49:CLASS
 50:CLASS 51:CLASS

eric attributes :

19:
 Saturation : Unsaturated
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic